

Temporal scale of field experiments in benthic ecology

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Table S1. Summary of the 352 studies extracted from 293 publications from the *Journal of Experimental Marine Biology and Ecology*, *Marine Ecology Progress Series*, *Ecology*, *Oecologia* and *Oikos* over the period 1980 to 2013. Repetition of a reference indicates two separate studies were extracted from a single publication. Pulse experiments were defined as those receiving a one-off perturbation, generally of much shorter duration than the experiment itself. Press studies were defined as those receiving ongoing perturbations over the duration of the experiment. CE refers to controlled experimental studies; NE refers to natural experimental studies.

Reference	Habitat	Press/ pulse	Controlled/ natural experiment	Experimental duration (mo)	Sampling interval (mo)
<i>Journal of Experimental Marine Biology and Ecology</i>					
Broom 1981	Intertidal soft sediment	Pulse	CE	12	0.7
Dean 1981	Subtidal artificial substrate	Pulse	CE	9	1.0
Warwick et al. 1981	Intertidal soft sediment	Press	CE	1	1.0
Ang 1985	Subtidal coral reef	Pulse	CE	11	1.0
Beckley 1985	Intertidal rocky shore	Pulse	CE	26	3.0
Bell et al 1985	Intertidal sea-grass	Pulse	CE	1.5	1.5
Davey and Woelkerling 1985	Intertidal mangrove	Pulse	CE	4.5	3.0
Fairweather 1985	Intertidal rocky shore	Press	CE	4	0.5
Genoni 1985	Intertidal saltmarsh	Press	CE	4	0.5
Gunnill 1985	Intertidal rocky shore	Press	NE	24	0.8
Jernakoff 1985	Intertidal rocky shore	Press	CE	12	0.8
Jernakoff and Fairweather 1985	Intertidal rocky shore	Press	CE	3.53	2.0
Oliver et al 1985	Subtidal soft sediment	Pulse	CE	2.67	1.6
Ortega 1985	Intertidal rocky shore	Pulse	CE	5.13	1.0
Seneca et al 1985	Intertidal saltmarsh	Pulse	CE	137	12.0
Shepherd and Turner 1985	Subtidal boulders	Pulse	CE	9	1.0
Turner and Lucas 1985	Intertidal sea-grass	Pulse	CE	24	4.8
Carr 1989	Subtidal rocky reef	Press	CE	9	0.5
Carr 1989	Subtidal rocky reef	Pulse	CE	9.5	0.5
Commito and Boncavage 1989	Intertidal soft sediment	Pulse	CE	3	3.0
Dauvin 1989	Subtidal soft sediment	Pulse	NE	120	3.0

Reference	Habitat	Press/ pulse	Controlled/ natural experiment	Experimental duration (mo)	Sampling interval (mo)
Farrell 1989	Intertidal rocky shore	Pulse	CE	24	3.5
Hoffman 1989	Intertidal rocky shore	Pulse	CE	18	2.0
Jaquet and Raffaelli 1989	Intertidal soft sediment	Press	CE	0.8	0.8
Quinn and Ryan 1989	Intertidal rocky shore	Press	CE	3.97	0.5
Sogard 1989	Intertidal sea-grass	Press	CE	5	0.3
Stoner 1989	Subtidal sea-grass	Press	CE	5.5	1.1
Wilson 1989	Intertidal soft sediment	Press	CE	5.5	1.8
Worthington and Fairweather 1989	Intertidal rocky shore	Press	CE	1	1.0
Benedetti-Cecchi and Cinelli 1993	Intertidal rocky shore	Pulse	CE	9	2.0
Bythell et al 1993	Subtidal rocky reef	Pulse	NE	21	7.0
Dalby and Young 1993	Subtidal rocky reef	Press	CE	7	7.0
Grant et al 1993	Intertidal mangrove	Press	CE	24	2.7
Kennelly and Underwood 1993	Subtidal rocky reef	Pulse	CE	14	1.6
Martin-Smith 1993	Subtidal rocky reef	Press	CE	2	0.7
Martin-Smith 1993	Subtidal rocky reef	Press	CE	2	0.7
Meese 1993	Intertidal rocky shore	Press	CE	37	2.5
Olsgard and Hasle 1993	Subtidal soft sediment	Press	NE	60	12.0
Robles and Robb 1993	Intertidal rocky shore	Press	CE	11	1.0
Williams 1993	Intertidal rocky shore	Press	CE	15.9	1.4
Airoldi and Cinelli 1997	Subtidal rocky reef	Press	CE	12	1.0
Airoldi and Cinelli 1997	Subtidal rocky reef	Press	CE	12	1.0
Benedetti-Cecchi and Cinelli 1997	Intertidal rocky shore	Press	CE	12	12.0
Benedetti-Cecchi and Cinelli 1997	Intertidal rocky shore	Press	CE	18	2.6
Benedetti-Cecchi et al 1997	Subtidal sulphur spring	Press	CE	12	12.0
Benedetti-Cecchi et al 1997	Subtidal sulphur spring	Pulse	CE	16	4.0
Benedetti-Cecchi et al 1997	Subtidal sulphur spring	Press	CE	19	6.3
Berlow and Navarrete 1997	Intertidal rocky shore	Press	CE	21	2.0
Berlow and Navarrete 1997	Intertidal rocky shore	Press	CE	24	2.5
Brown and Wilson 1997	Intertidal soft sediment	Press	CE	2.5	1.3
Kim 1997	Intertidal rocky shore	Press	CE	36	2.0
Sala 1997	Subtidal rocky reef	Press	CE	3.75	1.3
Stanwell-Smith and Barnes 1997	Subtidal rocky reef	Pulse	CE	24	1.0

Reference	Habitat	Press/ pulse	Controlled/ natural experiment	Experimental duration (mo)	Sampling interval (mo)
Connell 2001	Subtidal artificial substrate	Press	CE	3.5	3.5
Hancock and Petraitis 2001	Intertidal rocky shore	Press	CE	3	1.0
Lee et al 2001	Intertidal sea-grass	Press	CE	3	3.0
Maughan 2001	Subtidal rocky reef	Press	CE	11	1.5
Bram et al 2005	Subtidal artificial substrate	Pulse	CE	24	6.0
Bramanti et al 2005	Subtidal rocky reef	Pulse	CE	48	1.0
Cruz-Palacios and van Tussenbroek 2005	Subtidal sea-grass	Pulse	CE	2	2.0
Johnston and Keough 2005	Subtidal rocky reef	Press	CE	4	4.0
Jordan et al 2005	Subtidal artificial substrate	Press	CE	24	1.0
Kang et al 2005	Subtidal rocky reef	Pulse	CE	24	2.0
McConnico and Foster 2005	Intertidal rocky shore	Pulse	CE	15	1.0
Menge et al 2005	Intertidal rocky shore	Pulse	CE	48	12.0
Menge et al 2005	Intertidal rocky shore	Press	CE	51	7.3
Menge et al 2005	Intertidal rocky shore	Press	CE	51	7.3
Petraitis and Dudgeon 2005	Intertidal rocky shore	Pulse	CE	75	10.7
Ribeiro et al 2005	Intertidal soft sediment	Press	CE	1	1.0
Ribeiro et al 2005	Intertidal soft sediment	Pulse	CE	1.5	1.5
Schroeder and Parrish 2005	Subtidal coral reef	Press	CE	39	2.0
Skilleter et al 2005	Subtidal soft sediment	Pulse	NE	1	1.0
Skilleter et al 2005	Subtidal soft sediment	Press	CE	17	3.4
Steffani and Branch 2005	Intertidal rocky shore	Pulse	CE	33	3.0
Yakovis et al 2005	Subtidal soft sediment	Press	CE	60	12.0
Barrett et al 2009	Subtidal rocky reef	Press	NE	120	7.1
Boese et al 2009	Intertidal sea-grass	Pulse	CE	34	2.0
Burt et al 2009	Subtidal artificial substrate	Press	CE	12	12.0
Drolet et al 2009	Intertidal soft sediment	Press	CE	0.23	0.23
Fernández et al 2009	Subtidal artificial substrate	Press	CE	18	3.6
Guerry et al 2009	Intertidal rocky shore	Press	CE	12	2.0
Jayewardene 2009	Subtidal coral reef	Press	CE	0.3	0.0
Jayewardene 2009	Subtidal coral reef	Press	CE	8	8.0
Johnson and Fleeger 2009	Intertidal saltmarsh	Press	CE	36	2.6
Kon et al 2009	Intertidal mangrove	Press	CE	1	1.0
Larson et al 2009	Intertidal soft sediment	Press	CE	10	5.0
Nicastro et al 2009	Intertidal soft sediment	Press	CE	2	2.0

Reference	Habitat	Press/ pulse	Controlled/ natural experiment	Experimental duration (mo)	Sampling interval (mo)
Summerhayes et al 2009	Intertidal rocky shore	Press	CE	4	4.0
Horst and Dudgeon 2009	Subtidal soft sediment	Pulse	CE	7	3.5
Ajemian and Powers 2013	Intertidal soft sediment	Press	CE	4	0.4
Alvarez et al 2013	Intertidal soft sediment	Press	CE	1	1.0
Bazterrica et al 2013	Intertidal rocky shore	Press	CE	0.5	0.5
Bazterrica et al 2013	Intertidal rocky shore	Press	CE	1	1.0
Burnell et al 2013	Subtidal sea-grass	Pulse	CE	3.63	3.63
Burnell et al 2013	Subtidal sea-grass	Press	CE	5.63	2.8
Cheminee et al 2013	Subtidal sea-grass	Press	CE	7	0.3
Dos Santos et al 2013	Intertidal sea-grass	Pulse	CE	12	1.0
Ferrero-Vicente et al 2013	Subtidal soft sediment	Press	CE	6	6.0
Hammerschlag-Peyer et al 2013	Subtidal sea-grass	Press	CE	2.57	2.57
Janiak et al 2013	Subtidal artificial substrate	Press	CE	2.5	0.3
Janiak et al 2013	Subtidal artificial substrate	Pulse	CE	2.5	0.3
Kneer et al 2013	Subtidal sea-grass	Press	CE	27	3.0
Long et al 2013	Intertidal artificial substrate	Press	CE	1	1.0
MacDonald and Weis 2013	Subtidal mangrove	Pulse	CE	1.5	0.1
Peterson et al 2013	Subtidal sea-grass	Press	CE	16	16.0
Simkanin et al 2013	Subtidal artificial substrate and rocky reef	Press	CE	2	2.0
Siple and Donahue 2013	Subtidal soft sediment	Press	CE	3	1.5
Tuya et al 2013a	Subtidal sea-grass	Pulse	CE	3.75	1.3
<i>Marine Ecology Progress Series</i>					
Jacobs 1980	Intertidal sea-grass	pulse	NE	14	1.0
Grant 1981	Intertidal soft sediment	pulse	CE	0.75	0.2
Nelson 1981	Subtidal sea-grass	press	CE	0.75	0.8
Santelices et al 1981	Intertidal rocky shore	press	CE	6	1.5
Santelices et al 1981	Intertidal rocky shore	pulse	CE	41	1.0
Homziak et al 1982	Subtidal sea-grass	pulse	CE	7	2.3
Zajac and Whitlatch 1982a	Subtidal soft sediment	pulse	CE	14	2.8
Zajac and Whitlatch 1982b	Subtidal soft sediment	pulse	CE	2	2.0
Berge and Valderhaug 1983	Subtidal soft sediment	press	CE	5	5.0
McLusky et al 1983	Intertidal soft sediment	pulse	CE	4.5	0.5
Fairweather et al 1984	Intertidal rocky shore	press	CE	12	6.0
Keser and Larson 1984	Intertidal rocky shore	pulse	CE	32	3.6

Reference	Habitat	Press/ pulse	Controlled/ natural experiment	Experimental duration (mo)	Sampling interval (mo)
Schmidt and Warner 1984	Subtidal artificial substrate	press	CE	12	4.0
Summerson and Peterson 1984	Subtidal sea-grass	press	CE	2	2.0
Brault and Bourget 1985	Subtidal artificial substrate	pulse	CE	18	1.0
Glynn 1985	Subtidal coral reef	pulse	NE	15	7.5
Hawkins and Hartnoll 1985	Intertidal rocky shore	Pulse	CE	12	6.0
Hawkins and Hartnoll 1985	Intertidal rocky shore	Press	CE	12	12.0
Rubin 1985	Subtidal artificial substrate	pulse	CE	12	1.5
Whitlatch and Zajac 1985	Subtidal soft sediment	pulse	CE	1.25	0.3
Williams 1988	Subtidal sea-grass	press	CE	26	1.0
Castilla and Bustamante 1989	Intertidal rocky shore	press	NE	51	4.5
Kennelly 1989	Subtidal rocky reef	press	CE	2	0.5
Kennelly 1989	Subtidal rocky reef	press	CE	10	0.9
Kilar and McLachlan 1989	Subtidal coral reef	press	CE	3	3.0
Kilar and McLachlan 1989	Subtidal coral reef	press	CE	6	6.0
Lopez Gappa 1989	Subtidal artificial substrate	pulse	CE	9	9.0
McGuinness 1989	Intertidal artificial substrate	pulse	CE	7	2.3
Murray and Horn 1989	Intertidal rocky shore	pulse	NE	17	4.3
Zajac and Whitlatch 1989	Subtidal soft sediment	pulse	NE	15	3.0
Chadwick 1991	Subtidal coral	pulse	CE	24	6.0
Hall et al 1991	Subtidal soft sediment	pulse	CE	0.75	0.2
Thrush et al 1991	Intertidal soft sediment	pulse	CE	0.5	0.1
Alino et al 1992	Subtidal coral	press	CE	12	2.0
Benedetti-Cecchi and Cinelli 1992	Intertidal rocky shore	press	CE	8	2.0
Ejdung and Bonsdorff 1992	Subtidal soft sediment	press	CE	3	3.0
Jones et al 1992	Subtidal soft sediment	press	CE	24	4.0
Dye 1993	Intertidal rocky shore	pulse	CE	12	1.0
Dye 1993	Intertidal rocky shore	pulse	CE	24	1.8
Gerdol and Hughes 1993	Intertidal saltmarsh	pulse	CE	5	5.0
Kim and DeWreede 1996	Intertidal rocky shore	pulse	CE	24	2.0
Nandakumar 1996	Subtidal artificial substrate	pulse	CE	14	0.5
Sauer Machado et al	Intertidal rocky shore	press	CE	4	0.5

Reference	Habitat	Press/ pulse	Controlled/ natural experiment	Experimental duration (mo)	Sampling interval (mo)
1996					
Duarte et al 1997	Subtidal sea-grass	pulse	CE	10	3.3
Feldman et al 1997	Intertidal soft sediment	pulse	CE	10	5.0
Holmes et al 1997	Subtidal artificial substrate	pulse	CE	8	8.0
Holmquist 1997	Subtidal sea-grass	press	CE	24	8.0
Kaehler and Williams 1997	Intertidal rocky shore	pulse	CE	1	1.0
Tegner et al 1997	Subtidal rocky reef	pulse	NE	132	3.0
van Tamelen et al 1997	Intertidal rocky shore	press	CE	26	5.2
Alvarado et al 2001	Intertidal rocky shore	pulse	CE	24	1.5
Archambault et al 2001	Intertidal rocky shore	press	NE	24	6.0
Benedetti-Cecchi et al 2001a	Intertidal rocky shore	press	CE	18	2.5
Benedetti-Cecchi et al 2001b	Intertidal rocky shore	press	CE	18	9.0
Glasby and Connell 2001	Subtidal artificial substrate	pulse	CE	7	7.0
Hindell et al 2001	Subtidal sea-grass	press	CE	1	0.3
Lindegarth et al 2001	Intertidal rocky shore	press	CE	15	2.5
Parker et al 2001	Subtidal sea-grass	pulse	CE	0.25	0.3
Piazzi et al 2001	Subtidal rocky reef	press	NE	15	3.8
Ruiz and Romero 2001	Subtidal sea-grass	press	CE	4	1.0
Ruiz and Romero 2001	Subtidal sea-grass	pulse	CE	13	1.4
Viejo and Aberg 2001	Intertidal rocky shore	pulse	CE	12	12.0
Williams et al 2001	Subtidal coral reef	press	CE	5	1.0
Airoidi et al 2005	Intertidal artificial substrate	pulse	CE	10	10.0
Benedetti-Cecchi et al 2005a	Intertidal rocky shore	pulse	CE	17	17.0
Benedetti-Cecchi et al 2005b	Intertidal rocky shore	pulse	CE	24	24.0
Bulleri 2005	Intertidal artificial substrate	pulse	CE	24	8.0
Cabaco et al 2005	Intertidal sea-grass	pulse	CE	5	0.5
Cervin et al 2005	Intertidal rocky shore	pulse	CE	81	20.3
Clark and Johnston 2005	Subtidal artificial substrate	press	CE	1.5	1.5
Connell 2005	Subtidal rocky reef	press	CE	11	2.8
Goodsell and Connell 2005	Subtidal rocky reef	pulse	CE	2	2.0
Jenkins et al 2005	Intertidal rocky shore	press	CE	12	1.3
Jewett et al 2005	Subtidal artificial substrate	press	CE	2.5	2.5
Linares et al 2005	Subtidal coral reef	pulse	NE	48	12.0
Moran and Bjorndal 2005	Subtidal sea-grass	press	CE	17	0.5

Reference	Habitat	Press/ pulse	Controlled/ natural experiment	Experimental duration (mo)	Sampling interval (mo)
Paramor and Hughes 2005	Intertidal saltmarsh	press	CE	12	3.0
Paramor and Hughes 2005	Intertidal saltmarsh	press	CE	20	20.0
Quijon and Snelgrove 2005a	Subtidal soft sediment	press	CE	2	1.0
Russell and Connell 2005	Subtidal artificial substrate	press	CE	2.5	2.5
Russell and Connell 2005	Subtidal artificial substrate	press	CE	2.5	2.5
Sumi and Scheibling 2005	Subtidal rocky reef	press	CE	3	0.3
Taylor and Schiel 2005	Intertidal rocky shore	pulse	CE	34	8.5
Tomas et al 2005	Subtidal sea-grass	press	CE	12	6.0
Tomas et al 2005	Subtidal sea-grass	press	CE	16	5.3
Valdivia et al 2005	Subtidal artificial substrate	press	CE	5	1.7
Valentine and Johnson 2005	Subtidal rocky reef	press	CE	30	3.0
Wright et al 2005	Subtidal rocky reef	press	CE	7	0.9
Araujo et al 2009	Intertidal rocky shore	press	CE	17	2.0
Bishop et al 2009	Intertidal mangrove	press	CE	1.5	1.5
Bishop et al 2009	Intertidal mangrove	press	CE	0.5	0.5
Booth and Heck 2009	Subtidal sea-grass	pulse	CE	10	5.0
Cupido et al 2009	Subtidal coral reef	pulse	NE	132	22.0
Davis and Ward 2009	Subtidal rocky reef	pulse	CE	22	3.0
Davis and Ward 2009	Subtidal rocky reef	press	CE	56	28.0
Dijkstra and Harris 2009	Subtidal artificial substrate	pulse	CE	33	1.0
Hughes et al 2009	Intertidal saltmarsh	pulse	NE	60	12.0
Hughes et al 2009	Intertidal saltmarsh	pulse	NE	144	12.0
Incera et al 2009	Intertidal rocky shore	press	CE	14	2.0
Johnson et al 2009	Intertidal saltmarsh	press	CE	3	1.5
Lavery et al 2009	Subtidal sea-grass	press	CE	9	9.0
Maggi et al 2009	Intertidal rocky shore	press	CE	24	4.0
Miller et al 2009	Subtidal coral reef	pulse	NE	144	144.0
Scheibling et al 2009	Subtidal rocky reef	press	CE	3	3.0
Scheibling et al 2009	Subtidal rocky reef	press	CE	12	3.0
Spivak et al 2009	Subtidal sea-grass	press	CE	1	1.0
Viejo 2009	Intertidal rocky shore	pulse	CE	84	7.6
Yap 2009	Subtidal coral reef	pulse	CE	21	3.0
Chapman 2013	Intertidal artificial substrate	pulse	CE	12	1.2
Doropoulos et al 2013	Subtidal coral reef	press	CE	6	6.0
Green and Crowe 2013	Intertidal rocky shore	press	CE	14	4.7

Reference	Habitat	Press/ pulse	Controlled/ natural experiment	Experimental duration (mo)	Sampling interval (mo)
Jessen and Wild 2013	Subtidal coral reef	press	CE	4	1.0
Kelaher et al 2013	Subtidal sea-grass	press	CE	9	1.8
Minchinton and Fels 2013	Intertidal rocky shore	press	CE	1.5	0.8
O'Leary et al 2013	Subtidal coral reef	Press	CE	12	6.0
Okamoto et al 2013	Subtidal rocky reef	pulse	CE	5	5.0
Okamoto et al 2013	Subtidal rocky reef	Pulse	CE	19	9.5
Sams and Keough 2013a	Subtidal artificial substrate	Pulse	CE	8	2.7
Smale 2013	Subtidal artificial substrate	Pulse	CE	14	4.7
Tuya et al 2013b	Subtidal sea-grass	Press	CE	4	4.0
<i>Ecology</i>					
Ayling 1981	Subtidal rocky reef	Pulse	CE	0.67	0.67
Ayling 1981	Subtidal rocky reef	Press	CE	24	2.0
Robertson et al 1981	Subtidal coral reef	Press	CE	3.33	3.3
Robles and Cubit 1981	Intertidal rocky shore	Press	CE	5.25	0.5
Smith and Odum 1981	Intertidal saltmarsh	Press	CE	5.5	5.5
Williams 1981	Subtidal coral reef	Press	CE	0.5	0.0
Williams 1981	Subtidal coral reef	Press	CE	2	0.0
Woodin 1981	Intertidal soft sediment	Press	CE	4	1.0
Woodin 1981	Intertidal soft sediment	Press	CE	5	1.0
Bertness 1985	Intertidal saltmarsh	Press	CE	3	3.0
Bertness 1985	Intertidal saltmarsh	Pulse	CE	3	3.0
Gaines 1985	Intertidal rocky shore	Press	CE	24	6.0
Katz 1985	Intertidal rocky shore	Press	CE	24	1.5
Shulman 1985	Subtidal soft sediment	Press	CE	3	0.5
Stimson 1985	Subtidal coral reef	Press	CE	9	9.0
Turner 1985	Intertidal rocky shore	Pulse	CE	36	3.0
Bertness 1989	Intertidal rocky shore	Press	CE	8	1.0
Forrester 1990	Subtidal coral reef	Pulse	CE	10	3.3
Jones 1990	Subtidal coral reef	Press	CE	36	5.1
Levin and Huggett 1990	Intertidal saltmarsh	Pulse	CE	1	1.0
Power 1990	Intertidal rocky shore	Press	CE	1	1.0
Reed 1990	Subtidal rocky reef	Pulse	CE	15	2.5
Bertness 1991	Intertidal saltmarsh	Pulse	CE	48	6.0
Andrew 1993	Subtidal rocky reef	Press	CE	34	3.1
Lively et al 1993	Intertidal rocky shore	Pulse	CE	96	6.0
Hamilton et al. 1994	Subtidal rocky reef	Press	CE	9	3.0
Shumway and Bertness 1994	Intertidal saltmarsh	Press	CE	24	12.0
Beck 1997	Subtidal sea-grass	Press	CE	28	1.8

Reference	Habitat	Press/ pulse	Controlled/ natural experiment	Experimental duration (mo)	Sampling interval (mo)
Robles 1997	Intertidal rocky shore	Press	CE	12	2.0
Caley et al 2001	Subtidal coral reef	Press	CE	2	0.7
Emery et al 2001	Intertidal saltmarsh	Press	CE	15	15.0
Emery et al 2001	Intertidal saltmarsh	Press	CE	27	9.0
Hauxwell et al 2001	Subtidal sea-grass	Press	CE	3.5	0.9
Hunt and Scheibling 2001	Intertidal rocky shore	Pulse	CE	15	5.0
Munday et al 2001	Subtidal coral reef	Pulse	CE	3	3.0
Munday et al 2001	Subtidal coral reef	Press	CE	11	11.0
Benedetti-Cecchi 2005	Intertidal rocky shore	Press	CE	3	3.0
Bertocci et al 2005	Intertidal rocky shore	Pulse	CE	23	3.3
Grabowski et al 2005	Intertidal rocky shore	Press	CE	20	1.0
Hixon and Jones 2005	Subtidal coral reef	Press	CE	17	17
Planes et al 2005	Subtidal coral reef	Pulse	NE	72	72
Stachowicz and Whitlatch 2005	Subtidal rocky reef	Press	CE	1.25	1.25
Arkema et al 2009	Subtidal artificial substrate	Pulse	CE	9	9.0
Byrnes and Stachowicz 2009	Subtidal artificial substrate	Press	CE	2.5	2.5
Marzinelli et al 2009	Subtidal artificial substrate and rocky reef	Press	CE	1	1.0
Robles et al 2009	Intertidal rocky shore	Press	CE	30	1.5
Robles et al 2009	Intertidal rocky shore	Pulse	CE	30	1.5
Bishop et al 2013	Intertidal soft sediment	Press	CE	2	0.4
Byrnes et al 2013	Subtidal rocky reef	Press	CE	0.75	0.75
Donadi et al 2013	Intertidal soft sediment	Press	CE	4	4.0
Freestone et al 2013	Subtidal rocky reef	Press	CE	3	3.0
Gittman and Keller 2013	Intertidal saltmarsh	Press	CE	2	2.0
Lohrer et al 2013	Subtidal soft sediment	Press	CE	5	5.0
Stier et al 2013	Subtidal coral reef	Press	CE	3	3.0
Tamburello et al 2013	Intertidal rocky shore	Press	CE	12	12.0
Tamburello et al 2013a	Intertidal rocky shore	Press	CE	49	12.3
Wada et al 2013	Intertidal rocky shore	Press	CE	1.27	0.25
Whalen et al 2013	Subtidal sea-grass	Press	CE	1.27	0.32
Williams et al 2013	Intertidal rocky shore	Press	CE	18	2.6
Wolf and Nugues 2013	Subtidal coral reef	Press	CE	0.83	0.2
<i>Oecologia</i>					
Dethier 1981	Intertidal rocky shore	Press	CE	5	NA
Dethier 1981	Intertidal rocky shore	Press	CE	12.5	NA
Dethier 1981	Intertidal rocky shore	Press	CE	21	NA

Reference	Habitat	Press/ pulse	Controlled/ natural experiment	Experimental duration (mo)	Sampling interval (mo)
Dethier 1981	Intertidal rocky shore	Pulse	CE	33	2.5
Dethier 1981	Intertidal rocky shore	Pulse	CE	34	1.9
Duggins 1981	Subtidal rocky reef	Press	CE	10	2.0
Sousa et al 1981	Intertidal rocky shore	Pulse	CE	7	2.0
Sousa et al 1981	Intertidal rocky shore	Pulse	CE	9	9.0
Sousa et al 1981	Intertidal rocky shore	Press	CE	14	2.8
Sousa et al 1981	Intertidal rocky shore	Pulse	CE	23	4.6
Underwood and Jernakoff 1981	Intertidal rocky shore	Press	CE	1	0.5
Underwood and Jernakoff 1981	Intertidal rocky shore	Pulse	CE	2	1.0
Underwood and Jernakoff 1981	Intertidal rocky shore	Press	CE	3	0.6
Breitburg 1985	Subtidal rocky reef	Press	CE	13	1.6
Breitburg 1985	Subtidal rocky reef	Press	CE	13	1.6
Duggins and Dethier 1985	Intertidal rocky shore	Press	CE	12	12.0
Duggins and Dethier 1985	Intertidal rocky shore	Press	CE	48	5.3
Hay and Taylor 1985	Subtidal rocky reef	Press	CE	2.47	0.8
Hay and Taylor 1985	Subtidal rocky reef	Pulse	CE	9	9.0
Menge et al 1985	Intertidal rocky shore	Press	CE	47	2.4
Wellington and Victor 1985	Subtidal coral reef	Pulse	CE	12	12.0
Harvell et al 1990	Subtidal artificial substrate	Pulse	CE	3.67	0.5
Petratis 1990	Intertidal rocky shore	Press	CE	2.5	2.5
Clarke and Allaway 1993	Intertidal mangrove	Pulse	CE	36	12.0
Clarke and Allaway 1993	Intertidal mangrove	Pulse	CE	36	12.0
Clarke and Allaway 1993	Intertidal mangrove	Pulse	CE	108	15.4
Levin 1993	Subtidal rocky reef	Press	CE	1.25	0.6
Levin 1993	Subtidal rocky reef	Press	CE	1.25	1.25
McQuaid and Fronemar 1993	Intertidal rocky shore	Press	CE	1	0.5
Anderson and Underwood 1997	Intertidal artificial substrate	Press	CE	6	6.0
Gough and Grace 1997	Intertidal saltmarsh	Press	CE	14	2.0
Gough and Grace 1997	Intertidal saltmarsh	Press	CE	14	2.0
Grutter 1997	Subtidal rocky reef	Press	CE	7	3.5
Kiehl et al 1997	Intertidal saltmarsh	Pulse	CE	3	3.0
Minchinton 1997	Intertidal rocky shore	Press	CE	15	7.5

Reference	Habitat	Press/ pulse	Controlled/ natural experiment	Experimental duration (mo)	Sampling interval (mo)
Steele 1997	Subtidal artificial structure	Pulse	CE	9	1.0
Steele 1997	Subtidal artificial structure	Pulse	CE	9	1.0
Valentine et al 1997	Subtidal sea-grass	Press	CE	4	1.0
Syms and Jones 2001	Subtidal coral reef	Pulse	CE	24	2.4
Worm et al 2001	Intertidal rocky shore	Press	CE	9	1.0
Boyer and Fong 2005	Intertidal saltmarsh	Press	CE	4	2.0
Ceccarelli et al 2005	Subtidal coral reef	Press	CE	2	2.0
Eriksson and Johansson 2005	Subtidal rocky reef	Press	CE	53	10.6
Quijón and Snelgrove 2005b	Subtidal soft sediment	Press	CE	2	1.0
Kimbro et al 2009	Intertidal rocky shore	Press	CE	2.5	0.3
Levenbach 2009	Subtidal rocky reef	Press	CE	12	12.0
Petraitis et al 2009	Intertidal rocky shore	Pulse	CE	30	10.0
Petraitis et al 2009	Intertidal rocky shore	Pulse	CE	102	10.2
Ross et al 2013	Subtidal soft sediment	Press	CE	2.5	2.5
Sams and Keough 2013b	Subtidal artificial substrate	Pulse	CE	6	1.5
Smee et al 2013	Intertidal rocky shore and shallow subtidal rocky reef	Press	CE	2.5	2.5
Smee et al 2013	Intertidal rocky shore and shallow subtidal rocky reef	Press	CE	2.5	2.5
Tamburello et al 2013b	Subtidal rocky reef	Press	CE	3	3.0
Tamburello et al 2013b	Subtidal rocky reef	Press	CE	7	1.0
<i>Oikos</i>					
Dygert 1981	Subtidal artificial substrate	Pulse	CE	18	0.5
Castilla and Duran 1985	Intertidal rocky shore	Press	NE	22	2.0
Godoy and Moreno 1989	Intertidal rocky shore	Press	NE	11	1.0
Brewer et al 1997	Intertidal saltmarsh	Pulse	CE	37	12.3
Lewis and Eby 2002	Intertidal saltmarsh	Press	CE	1.07	1.07
Bulleri et al 2009	Intertidal rocky shore	Pulse	CE	3	3.0
Clark and Johnston 2009	Subtidal artificial substrate	Pulse	CE	6	1.5
Jormalainen and Ramsay 2009	Intertidal rocky shore	Press	CE	5	5.0
Gribben et al 2013	Subtidal soft sediment	Press	CE	5	5.0
Gribben et al 2013	Subtidal soft sediment	Press	CE	5	5.0

REFERENCES

- Airoldi L, Cinelli F (1997) Effects of sedimentation on subtidal macroalgal assemblages: An experimental study from a Mediterranean rocky shore. *J Exp Mar Biol Ecol* 215:269–288 doi:10.1016/S0022-0981(96)02770-0
- Airoldi L, Bacchiocchi F, Cagliola C, Bulleri F, Abbiati M (2005) Impact of recreational harvesting on assemblages in artificial rocky habitats. *Mar Ecol Prog Ser* 299:55–66 doi:10.3354/meps299055
- Ajemian MJ, Powers SP (2013) Foraging effects of cownose rays (*Rhinoptera bonasus*) along barrier islands of the northern Gulf of Mexico. *J Exp Mar Biol Ecol* 439:119–128 doi:10.1016/j.jembe.2012.10.021
- Alino PM, Sammarco PW, Coll JC (1992) Competitive strategies in soft corals (Coelenterata, Octocorallia). 4. Environmentally induced reversals in competitive superiority. *Mar Ecol Prog Ser* 81:129–145 doi:10.3354/meps081129
- Alvarado JL, Pinto R, Marquet P, Pacheco C, Guinez R, Castilla JC (2001) Patch recolonization by the tunicate *Pyura praeputialis* in the rocky intertidal of the Bay of Antofagasta, Chile: evidence for self-facilitation mechanisms. *Mar Ecol Prog Ser* 224:93–101 doi:10.3354/meps224093
- Alvarez FM, Montemayor DI, Cielo Bazterrica M, Addino M, Fanjul E, Iribarne O, Botto F (2013) Interaction strength varies in relation to tidal gradient and spatial heterogeneity in an intertidal Southwest Atlantic estuarine food web. *J Exp Mar Biol Ecol* 449:154–164 doi:10.1016/j.jembe.2013.09.014
- Anderson MJ, Underwood AJ (1997) Effects of gastropod grazers on recruitment and succession of an estuarine assemblage: A multivariate and univariate approach. *Oecologia* 109:442–453 doi:10.1007/s004420050104
- Andrew NL (1993) Spatial heterogeneity, sea-urchin grazing, and habitat structure on reefs in temperate Australia. *Ecology* 74:292–302 doi:10.2307/1939293
- Ang PO (1985) Studies on the recruitment of *Sargassum* spp (Fucales, Phaeophyta) in Balibago, Calatagan, Philippines. *J Exp Mar Biol Ecol* 91:293–301 doi:10.1016/0022-0981(85)90183-2
- Araujo R, Vaselli S, Almeida M, Serrao E, Sousa-Pinto I (2009) Effects of disturbance on marginal populations: human trampling on *Ascophyllum nodosum* assemblages at its southern distribution limit. *Mar Ecol Prog Ser* 378:81–92 doi:10.3354/meps07814
- Archambault P, Banwell K, Underwood AJ (2001) Temporal variation in the structure of intertidal assemblages following the removal of sewage. *Mar Ecol Prog Ser* 222:51–62 doi:10.3354/meps222051
- Arkema KK, Reed DC, Schroeter SC (2009) Direct and indirect effects of giant kelp determine benthic community structure and dynamics. *Ecology* 90:3126–3137 PubMed doi:10.1890/08-1213.1
- Ayling AM (1981) The role of biological disturbance in temperate subtidal encrusting communities. *Ecology* 62:830–847 doi:10.2307/1937749
- Barrett NS, Buxton CD, Edgar GJ (2009) Changes in invertebrate and macroalgal populations in Tasmanian marine reserves in the decade following protection. *J Exp Mar Biol Ecol* 370:104–119 doi:10.1016/j.jembe.2008.12.005
- Bazterrica MC, Alvarez MF, Bruschetti CM, Hidalgo FJ, Fanjul ME, Iribarne O, Botto F (2013) Factors controlling macroalgae assemblages in a Southwest Atlantic coastal lagoon modified by an invading reef forming polychaete. *J Exp Mar Biol Ecol* 443:169–177 doi:10.1016/j.jembe.2013.02.036

- Beck MW (1997) A test of the generality of the effects of shelter bottlenecks in four stone crab populations. *Ecology* 78:2487–2503 doi:10.1890/0012-9658(1997)078[2487:ATOTGO]2.0.CO;2
- Beckley LE (1985) Tide-pool fishes - recolonization after experimental elimination. *J Exp Mar Biol Ecol* 85:287–295 doi:10.1016/0022-0981(85)90163-7
- Bell JD, Steffe AS, Westoby M (1985) Artificial seagrass - how useful is it for field experiments on fish and macroinvertebrates. *J Exp Mar Biol Ecol* 90:171–177 doi:10.1016/0022-0981(85)90118-2
- Benedetti-Cecchi L, Cinelli F (1992) Effects of canopy cover, herbivores and substratum type on patterns of *Cystoseira* spp settlement and recruitment in littoral rockpools. *Mar Ecol Prog Ser* 90:183–191 doi:10.3354/meps090183
- Benedetti-Cecchi L, Cinelli F (1993) Early patterns of algal succession in a midlittoral community of the Mediterranean-sea - a multifactorial experiment. *J Exp Mar Biol Ecol* 169:15–31 doi:10.1016/0022-0981(93)90040-U
- Benedetti-Cecchi L, Cinelli F (1997) Confounding in field experiments: Direct and indirect effects of artifacts due to the manipulation of limpets and macroalgae. *J Exp Mar Biol Ecol* 209:171–184 doi:10.1016/S0022-0981(96)02686-X
- Benedetti-Cecchi L, Airoidi L, Abbiati M, Cinelli F (1997) Exploring the causes of spatial variation in an assemblage of benthic invertebrates from a submarine cave with sulphur springs. *J Exp Mar Biol Ecol* 208:153–168 doi:10.1016/S0022-0981(96)02650-0
- Benedetti-Cecchi L, Bulleri F, Acunto S, Cinelli F (2001a) Scales of variation in the effects of limpets on rocky shores in the northwest Mediterranean. *Mar Ecol Prog Ser* 209:131–141 doi:10.3354/meps209131
- Benedetti-Cecchi L, Pannacciulli F, Bulleri F, Moschella PS, Airoidi L, Relini G, Cinelli F (2001b) Predicting the consequences of anthropogenic disturbance: Large-scale effects of loss of canopy algae on rocky shores. *Mar Ecol Prog Ser* 214:137–150 doi:10.3354/meps214137
- Benedetti-Cecchi L, Bertocci I, Vaselli S, Maggi E (2005a) Determinants of spatial pattern at different scales in two populations of the marine alga *Rissoella verruculosa*. *Mar Ecol Prog Ser* 293:37–47 doi:10.3354/meps293037
- Benedetti-Cecchi L, Vaselli S, Maggi E, Bertocci I (2005b) Interactive effects of spatial variance and mean intensity of grazing on algal cover in rock pools. *Ecology* 86:2212–2222 doi:10.1890/04-1223
- Berge JA, Valderhaug VA (1983) Effect of epibenthic macropredators on community structure in subtidal organically enriched sediments in the inner Oslofjord. *Mar Ecol Prog Ser* 11:15–22 doi:10.3354/meps011015
- Berlow EL, Navarrete SA (1997) Spatial and temporal variation in rocky intertidal community organization: Lessons from repeating field experiments. *J Exp Mar Biol Ecol* 214:195–229 doi:10.1016/S0022-0981(97)00023-3
- Bertness MD (1985) Fiddler crab regulation of *Spartina alterniflora* production on a New England salt-marsh. *Ecology* 66:1042–1055 doi:10.2307/1940564
- Bertness MD (1989) Intraspecific competition and facilitation in a northern acorn barnacle population. *Ecology* 70:257–268 doi:10.2307/1938431
- Bertness MD (1991) Zonation of *Spartina patens* and *Spartina alterniflora* in a New England salt-marsh. *Ecology* 72:138–148 doi:10.2307/1938909

- Bertocci I, Maggi E, Vaselli S, Benedetti-Cecchi L (2005) Contrasting effects of mean intensity and temporal variation of disturbance on a rocky seashore. *Ecology* 86:2061–2067 doi:10.1890/04-1698
- Bishop MJ, Morgan T, Coleman MA, Kelaher BP, Hardstaff LK, Evenden RW (2009) Facilitation of molluscan assemblages in mangroves by the Fucalean alga *Hormosira banksii*. *Mar Ecol Prog Ser* 392:111–122 doi:10.3354/meps08247
- Bishop MJ, Fraser J, Gribben PE (2013) Morphological traits and density of foundation species modulate a facilitation cascade in Australian mangroves. *Ecology* 94:1927–1936 PubMed doi:10.1890/12-1847.1
- Boese BL, Kaldy JE, Clinton PJ, Eldridge PM, Folger CL (2009) Recolonization of intertidal *Zostera marina* L. (eelgrass) following experimental shoot removal. *J Exp Mar Biol Ecol* 374:69–77 doi:10.1016/j.jembe.2009.04.011
- Booth DM, Heck KL Jr (2009) Effects of the American oyster *Crassostrea virginica* on growth rates of the seagrass *Halodule wrightii*. *Mar Ecol Prog Ser* 389:117–126 doi:10.3354/meps08163
- Boyer KE, Fong P (2005) Co-occurrence of habitat-modifying invertebrates: effects on structural and functional properties of a created salt marsh. *Oecologia* 143:619–628 PubMed doi:10.1007/s00442-005-0015-6
- Bram JB, Page HM, Dugan JE (2005) Spatial and temporal variability in early successional patterns of an invertebrate assemblage at an offshore oil platform. *J Exp Mar Biol Ecol* 317:223–237 doi:10.1016/j.jembe.2004.12.003
- Bramanti L, Magagnini G, De Maio L, Santangelo G (2005) Recruitment, early survival and growth of the Mediterranean red coral *Corallium rubrum* (L 1758), a 4-year study. *J Exp Mar Biol Ecol* 314:69–78 doi:10.1016/j.jembe.2004.08.029
- Brault S, Bourget E (1985) Structural-changes in an estuarine subtidal epibenthic community - biotic and physical causes. *Mar Ecol Prog Ser* 21:63–73 doi:10.3354/meps021063
- Breitburg DL (1985) Development of a subtidal epibenthic community - factors affecting species composition and the mechanisms of succession. *Oecologia* 65:173–184 doi:10.1007/BF00379215
- Brewer JS, Levine JM, Bertness MD (1997) Effects of biomass removal and elevation on species richness in a New England salt marsh. *Oikos* 80:333–341 doi:10.2307/3546601
- Broom MJ (1981) Size-selection, consumption rates and growth of the gastropods *Natica maculosa* (Lamarck) and *Thais carinifera* (Lamarck) preying on the bivalve, *Anadara granosa* (L.). *J Exp Mar Biol Ecol* 56:213–233 doi:10.1016/0022-0981(81)90191-X
- Brown B, Wilson WH (1997) The role of commercial digging of mudflats as an agent for change of infaunal intertidal populations. *J Exp Mar Biol Ecol* 218:49–61 doi:10.1016/S0022-0981(97)00067-1
- Bulleri F (2005) Role of recruitment in causing differences between intertidal assemblages on seawalls and rocky shores. *Mar Ecol Prog Ser* 287:53–64 doi:10.3354/meps287053
- Bulleri F, Tamburello L, Benedetti-Cecchi L (2009) Loss of consumers alters the effects of resident assemblages on the local spread of an introduced macroalga. *Oikos* 118:269–279 doi:10.1111/j.1600-0706.2008.16955.x
- Burnell OW, Connell SD, Irving AD, Russell BD (2013) Asymmetric patterns of recovery in two habitat forming seagrass species following simulated overgrazing by urchins. *J Exp Mar Biol Ecol* 448:114–120 doi:10.1016/j.jembe.2013.07.003

- Burt J, Bartholomew A, Bauman A, Saif A, Sale PF (2009) Coral recruitment and early benthic community development on several materials used in the construction of artificial reefs and breakwaters. *J Exp Mar Biol Ecol* 373:72–78 doi:10.1016/j.jembe.2009.03.009
- Byrnes JE, Stachowicz JJ (2009) The consequences of consumer diversity loss: different answers from different experimental designs. *Ecology* 90:2879–2888 PubMed doi:10.1890/08-1073.1
- Byrnes JEK, Cardinale BJ, Reed DC (2013) Interactions between sea urchin grazing and prey diversity on temperate rocky reef communities. *Ecology* 94:1636–1646 PubMed doi:10.1890/11-2310.1
- Bythell JC, Bythell M, Gladfelter EH (1993) Initial results of a long-term coral-reef monitoring program - impact of hurricane Hugo at buck island reef national monument, St Croix, United States Virgin islands. *J Exp Mar Biol Ecol* 172:171–183 doi:10.1016/0022-0981(93)90096-7
- Cabaco S, Alexandre A, Santos R (2005) Population-level effects of clam harvesting on the seagrass *Zostera noltii*. *Mar Ecol Prog Ser* 298:123–129 doi:10.3354/meps298123
- Caley MJ, Buckley KA, Jones GP (2001) Separating ecological effects of habitat fragmentation, degradation, and loss on coral commensals. *Ecology* 82:3435–3448 doi:10.2307/2680163
- Carr MH (1989) Effects of macroalgal assemblages on the recruitment of temperate zone reef fishes. *J Exp Mar Biol Ecol* 126:59–76 doi:10.1016/0022-0981(89)90124-X
- Castilla JC, Bustamante RH (1989) Human exclusion from rocky intertidal of Las Cruces, central Chile - effects on *Durvillaea antarctica* (Phaeophyta, Durvilliales). *Mar Ecol Prog Ser* 50:203–214 doi:10.3354/meps050203
- Castilla JC, Duran LR (1985) Human exclusion from the rocky intertidal zone of central Chile - the effects on *Concholepas concholepas* (Gastropoda). *Oikos* 45:391–399 doi:10.2307/3565575
- Ceccarelli DM, Jones GP, McCook LJ (2005) Foragers versus farmers: contrasting effects of two behavioural groups of herbivores on coral reefs. *Oecologia* 145:445–453 PubMed doi:10.1007/s00442-005-0144-y
- Cervin G, Aberg P, Jenkins SR (2005) Small-scale disturbance in a stable canopy dominated community: implications for macroalgal recruitment and growth. *Mar Ecol Prog Ser* 305:31–40 doi:10.3354/meps305031
- Chadwick NE (1991) Spatial-distribution and the effects of competition on some temperate *Scleractinia* and *Corallimorpharia*. *Mar Ecol Prog Ser* 70:39–48 doi:10.3354/meps070039
- Chapman MG (2013) Constructing replacement habitat for specialist and generalist molluscs-the effect of patch size. *Mar Ecol Prog Ser* 473:201–214 doi:10.3354/meps10074
- Cheminee A, Sala E, Pastor J, Bodilis P and others (2013) Nursery value of *Cystoseira* forests for Mediterranean rocky reef fishes. *J Exp Mar Biol Ecol* 442:70–79 doi:10.1016/j.jembe.2013.02.003
- Clark GF, Johnston EL (2005) Manipulating larval supply in the field: a controlled study of marine invasibility. *Mar Ecol Prog Ser* 298:9–19 doi:10.3354/meps298009
- Clark GF, Johnston EL (2009) Propagule pressure and disturbance interact to overcome biotic resistance of marine invertebrate communities. *Oikos* 118:1679–1686 doi:10.1111/j.1600-0706.2009.17564.x
- Clarke PJ, Allaway WG (1993) The regeneration niche of the grey mangrove (*Avicennia marina*) - effects of salinity, light and sediment factors on establishment, growth and survival in the field. *Oecologia* 93:548–556 doi:10.1007/BF00328964

- Commito JA, Boncavage EM (1989) Suspension-feeders and coexisting infauna - an enhancement counterexample. *J Exp Mar Biol Ecol* 125:33–42 doi:10.1016/0022-0981(89)90214-1
- Connell SD (2001) Predatory fish do not always affect the early development of epibiotic assemblages. *J Exp Mar Biol Ecol* 260:1–12 PubMed doi:10.1016/S0022-0981(01)00246-5
- Connell SD (2005) Assembly and maintenance of subtidal habitat heterogeneity: synergistic effects of light penetration and sedimentation. *Mar Ecol Prog Ser* 289:53–61 doi:10.3354/meps289053
- Cruz-Palacios V, van Tussenbroek BI (2005) Simulation of hurricane-like disturbances on a Caribbean seagrass bed. *J Exp Mar Biol Ecol* 324:44–60 doi:10.1016/j.jembe.2005.04.002
- Cupido R, Cocito S, Barsanti M, Sgorbini S, Peirano A, Santangelo G (2009) Unexpected long-term population dynamics in a canopy-forming gorgonian coral following mass mortality. *Mar Ecol Prog Ser* 394:195–200 doi:10.3354/meps08260
- Dalby JE, Young CM (1993) Variable effects of ascidian competitors on oysters in a Florida epifaunal community. *J Exp Mar Biol Ecol* 167:47–57 doi:10.1016/0022-0981(93)90183-O
- Dauvin JC (1989) Life-cycle, dynamics and productivity of Crustacea-Amphipoda from the western English-channel. 5. *Ampelisca-sarsi* Chevreux. *J Exp Mar Biol Ecol* 128:31–56 doi:10.1016/0022-0981(89)90091-9
- Davey A, Woelkerling WJ (1985) Studies on Australian mangrove algae. 3. Victorian communities - structure and recolonization in western port Bay. *J Exp Mar Biol Ecol* 85:177–190 doi:10.1016/0022-0981(85)90142-X
- Davis AR, Ward DW (2009) Establishment and persistence of species-rich patches in a species-poor landscape: role of a structure-forming subtidal barnacle. *Mar Ecol Prog Ser* 380:187–198 doi:10.3354/meps07905
- Dean TA (1981) Structural aspects of sessile invertebrates as organizing forces in an estuarine fouling community. *J Exp Mar Biol Ecol* 53:163–180 doi:10.1016/0022-0981(81)90017-4
- Dethier MN (1981) Heteromorphic algal life histories - the seasonal pattern and response to herbivory of the brown crust, *Ralfsia californica*. *Oecologia* 49:333–339 doi:10.1007/BF00347594
- Dijkstra JA, Harris LG (2009) Maintenance of diversity altered by a shift in dominant species: implications for species coexistence. *Mar Ecol Prog Ser* 387:71–80 doi:10.3354/meps08117
- Donadi S, van der Heide T, van der Zee EM, Eklof JS and others (2013) Cross-habitat interactions among bivalve species control community structure on intertidal flats. *Ecology* 94:489–498 PubMed doi:10.1890/12-0048.1
- Doropoulos C, Hyndes GA, Abecasis D, Verges A (2013) Herbivores strongly influence algal recruitment in both coral- and algal-dominated coral reef habitats. *Mar Ecol Prog Ser* 486:153–164 doi:10.3354/meps10325
- Dos Santos VM, Matheson FE, Pilditch CA, Elger A (2013) Seagrass resilience to waterfowl grazing in a temperate estuary: A multi-site experimental study. *J Exp Mar Biol Ecol* 446:194–201 doi:10.1016/j.jembe.2013.05.030
- Drolet D, Barbeau MA, Coffin MRS, Hamilton DJ (2009) Effect of the snail *Ilyanassa obsoleta* (Say) on dynamics of the amphipod *Corophium volutator* (Pallas) on an intertidal mudflat. *J Exp Mar Biol Ecol* 368:189–195 doi:10.1016/j.jembe.2008.10.014
- Duarte CM, Terrados J, Agawin NSR, Fortes MD, Bach S, Kenworthy WJ (1997) Response of a mixed Philippine seagrass meadow to experimental burial. *Mar Ecol Prog Ser* 147:285–294 doi:10.3354/meps147285

- Duggins DO (1981) Interspecific facilitation in a guild of benthic marine herbivores. *Oecologia* 48:157–163 doi:10.1007/BF00347958
- Duggins DO, Dethier MN (1985) Experimental studies of herbivory and algal competition in a low intertidal habitat. *Oecologia* 67:183–191 doi:10.1007/BF00384282
- Dye AH (1993) Recolonization of intertidal macroalgae in relation to gap size and molluscan herbivory on a rocky shore on the east-coast of southern Africa. *Mar Ecol Prog Ser* 95:263–271 doi:10.3354/meps095263
- Dygert PH (1981) Patterns of community metabolism in the development of a marine fouling community. *Oikos* 36:93–98 doi:10.2307/3544384
- Ejdung G, Bonsdorff E (1992) Predation on the bivalve *Macoma balthica* by the isopod *Saduria entomon* - laboratory and field experiments. *Mar Ecol Prog Ser* 88:207–214 doi:10.3354/meps088207
- Emery NC, Ewanchuk PJ, Bertness MD (2001) Competition and salt-marsh plant zonation: Stress tolerators may be dominant competitors. *Ecology* 82:2471–2485 doi:10.1890/0012-9658(2001)082[2471:CASMPZ]2.0.CO;2
- Eriksson BK, Johansson G (2005) Effects of sedimentation on macroalgae: species-specific responses are related to reproductive traits. *Oecologia* 143:438–448 PubMed doi:10.1007/s00442-004-1810-1
- Fairweather PG (1985) Differential predation on alternative prey, and the survival of rocky intertidal organisms in new south-wales. *J Exp Mar Biol Ecol* 89:135–156 doi:10.1016/0022-0981(85)90123-6
- Fairweather PG, Underwood AJ, Moran MJ (1984) Preliminary investigations of predation by the whelk *Morula marginalba*. *Mar Ecol Prog Ser* 17:143–156 doi:10.3354/meps017143
- Farrell TM (1989) Succession in a rocky intertidal community - the importance of disturbance size and position within a disturbed patch. *J Exp Mar Biol Ecol* 128:57–73 doi:10.1016/0022-0981(89)90092-0
- Feldman KL, Armstrong DA, Eggleston DB, Dumbauld BR (1997) Effects of substrate selection and post-settlement survival on recruitment success of the thalassinidean shrimp *Neotrypaea californiensis* to intertidal shell and mud habitats. *Mar Ecol Prog Ser* 150:121–136 doi:10.3354/meps150121
- Fernández TV, D'Anna G, Badalamenti F, Pérez-Ruzafa A (2009) Effect of simulated macroalgae on the fish assemblage associated with a temperate reef system. *J Exp Mar Biol Ecol* 376:7–16 doi:10.1016/j.jembe.2009.05.012
- Ferrero-Vicente LM, Marco-Mendez C, Loya-Fernandez A, Sanchez-Lizaso JL (2013) Limiting factors on the distribution of shell/tube-dwelling sipunculans. *J Exp Mar Biol Ecol* 446:345–354 doi:10.1016/j.jembe.2013.06.011
- Forrester GE (1990) Factors influencing the juvenile demography of a coral-reef fish. *Ecology* 71:1666–1681 doi:10.2307/1937576
- Freestone AL, Ruiz GM, Torchin ME (2013) Stronger biotic resistance in tropics relative to temperate zone: effects of predation on marine invasion dynamics. *Ecology* 94:1370–1377 PubMed doi:10.1890/12-1382.1
- Gaines SD (1985) Herbivory and between-habitat diversity - the differential effectiveness of defenses in a marine plant. *Ecology* 66:473–485 doi:10.2307/1940396
- Genoni GP (1985) Food limitation in salt-marsh fiddler crabs *Uca rapax* (Smith) (Decapoda, Ocypodidae). *J Exp Mar Biol Ecol* 87:97–110 doi:10.1016/0022-0981(85)90195-9

- Gerdol V, Hughes RG (1993) Effect of the amphipod *Corophium volutator* on the colonization of mud by the halophyte *Salicornia europaea*. *Mar Ecol Prog Ser* 97:61–69 doi:10.3354/meps097061
- Gittman RK, Keller DA (2013) Fiddler crabs facilitate *Spartina alterniflora* growth, mitigating periwinkle overgrazing of marsh habitat. *Ecology* 94:2709–2718 PubMed doi:10.1890/13-0152.1
- Glasby TM, Connell SD (2001) Orientation and position of substrata have large effects on epibiotic assemblages. *Mar Ecol Prog Ser* 214:127–135 doi:10.3354/meps214127
- Glynn PW (1985) El Niño-associated disturbance to coral reefs and post disturbance mortality by *Scanthaster planci*. *Mar Ecol Prog Ser* 26:295–300 doi:10.3354/meps026295
- Godoy C, Moreno CA (1989) Indirect effects of human exclusion from the rocky intertidal in southern Chile - a case of cross-linkage between herbivores. *Oikos* 54:101–106 doi:10.2307/3565902
- Goodsell PJ, Connell SD (2005) Historical configuration of habitat influences the effects of disturbance on mobile invertebrates. *Mar Ecol Prog Ser* 299:79–87 doi:10.3354/meps299079
- Gough L, Grace JB (1997) The influence of vines on an oligohaline marsh community: results of a removal and fertilization study. *Oecologia* 112:403–411 doi:10.1007/s004420050326
- Grabowski JH, Hughes AR, Kimbro DL, Dolan MA (2005) How habitat setting influences restored oyster reef communities. *Ecology* 86:1926–1935 doi:10.1890/04-0690
- Grant J (1981) Sediment transport and disturbance on an inter-tidal sandflat - infaunal distribution and recolonization. *Mar Ecol Prog Ser* 6:249–255 doi:10.3354/meps006249
- Grant DL, Clarke PJ, Allaway WG (1993) The response of grey mangrove (*Avicennia marina* (Forsk) Vierh) seedlings to spills of crude-oil. *J Exp Mar Biol Ecol* 171:273–295 doi:10.1016/0022-0981(93)90009-D
- Green DS, Crowe TP (2013) Physical and biological effects of introduced oysters on biodiversity in an intertidal boulder field. *Mar Ecol Prog Ser* 482:119–132 doi:10.3354/meps10241
- Gribben PE, Byers JE, Wright JT, Glasby TM (2013) Positive versus negative effects of an invasive ecosystem engineer on different components of a marine ecosystem. *Oikos* 122:816–824 doi:10.1111/j.1600-0706.2012.20868.x
- Gutter AS (1997) Effect of the removal of cleaner fish on the abundance and species composition of reef fish. *Oecologia* 111:137–143 doi:10.1007/s004420050217
- Guerry AD, Menge BA, Dunmore RA (2009) Effects of consumers and enrichment on abundance and diversity of benthic algae in a rocky intertidal community. *J Exp Mar Biol Ecol* 369:155–164 doi:10.1016/j.jembe.2008.11.011
- Gunnill FC (1985) Population fluctuations of 7 macroalgae in southern California during 1981–1983 including effects of severe storms and an El-Niño. *J Exp Mar Biol Ecol* 85:149–164 doi:10.1016/0022-0981(85)90140-6
- Hall SJ, Basford DJ, Robertson MR, Raffaelli DG, Tuck I (1991) Patterns of recolonization and the importance of pit-digging by the crab *Cancer pagurus* in a subtidal sand habitat. *Mar Ecol Prog Ser* 72:93–102 doi:10.3354/meps072093
- Hamilton DJ, Ankney CD, Bailey RC (1994) Predation of zebra mussels by diving ducks - an exclosure study. *Ecology* 75:521–531 doi:10.2307/1939555
- Hammerschlag-Peyer CM, Allgeier JE, Layman CA (2013) Predator effects on faunal community composition in shallow seagrass beds of The Bahamas. *J Exp Mar Biol Ecol* 446:282–290 doi:10.1016/j.jembe.2013.06.002

- Hancock KM, Petraitis PS (2001) Effects of herbivorous snails and macroalgal canopy on recruitment and early survivorship of the barnacle *Semibalanus balanoides* (L.). *J Exp Mar Biol Ecol* 257:205–218 PubMed doi:10.1016/S0022-0981(00)00337-3
- Harvell CD, Caswell H, Simpson P (1990) Density effects in a colonial monoculture - experimental studies with a marine bryozoan (*Membranipora membranacea* L.). *Oecologia* 82:227–237 doi:10.1007/BF00323539
- Hauxwell J, Cebrian J, Furlong C, Valiela I (2001) Macroalgal canopies contribute to eelgrass (*Zostera marina*) decline in temperate estuarine ecosystems. *Ecology* 82:1007–1022 doi:10.1890/0012-9658(2001)082[1007:MCCTEZ]2.0.CO;2
- Hawkins SJ, Hartnoll RG (1985) Factors determining the upper limits of intertidal canopy-forming algae. *Mar Ecol Prog Ser* 20:265–271 doi:10.3354/meps020265
- Hay ME, Taylor PR (1985) Competition between herbivorous fishes and urchins on Caribbean reefs. *Oecologia* 65:591–598 doi:10.1007/BF00379678
- Hindell JS, Jenkins GP, Keough MJ (2001) Spatial and temporal variability in the effects of fish predation on macrofauna in relation to habitat complexity and cage effects. *Mar Ecol Prog Ser* 224:231–250 doi:10.3354/meps224231
- Hixon MA, Jones GP (2005) Competition, predation, and density-dependent mortality in demersal marine fishes. *Ecology* 86:2847–2859 doi:10.1890/04-1455
- Hoffman DL (1989) Settlement and recruitment patterns of a pedunculate barnacle, *Pollicipes polymerus* Sowerby, off La Jolla, California. *J Exp Mar Biol Ecol* 125:83–98 doi:10.1016/0022-0981(89)90036-1
- Holmes NJ, Harriott VJ, Banks SA (1997) Latitudinal variation in patterns of colonisation of cryptic calcareous marine organisms. *Mar Ecol Prog Ser* 155:103–113 doi:10.3354/meps155103
- Holmquist JG (1997) Disturbance and gap formation in a marine benthic mosaic: influence of shifting macroalgal patches on seagrass structure and mobile invertebrates. *Mar Ecol Prog Ser* 158:121–130 doi:10.3354/meps158121
- Homziak J, Fonseca MS, Kenworthy WJ (1982) Macrobenthic community structure in a transplanted eelgrass (*Zostera marina*) meadow. *Mar Ecol Prog Ser* 9:211–221 doi:10.3354/meps009211
- Hughes RG, Fletcher PW, Hardy MJ (2009) Successional development of saltmarsh in two managed realignment areas in SE England, and prospects for saltmarsh restoration. *Mar Ecol Prog Ser* 384:13–22 doi:10.3354/meps08027
- Hunt HL, Scheibling RE (2001) Patch dynamics of mussels on rocky shores: Integrating process to understand pattern. *Ecology* 82:3213–3231 doi:10.1890/0012-9658(2001)082[3213:PDOMOR]2.0.CO;2
- Incera M, Olabarria C, Troncoso JS, Lopez J (2009) Response of the invader *Sargassum muticum* to variability in nutrient supply. *Mar Ecol Prog Ser* 377:91–101 doi:10.3354/meps07866
- Jacobs RPWM (1980) Effects of the ‘Amoco Cadiz’ oil-spill on the seagrass community at Roscoff with special reference to the benthic infauna. *Mar Ecol Prog Ser* 2:207–212 doi:10.3354/meps002207
- Janiak DS, Osman RW, Whitlatch RB (2013) The role of species richness and spatial resources in the invasion success of the colonial ascidian *Didemnum vexillum* Kott, 2002 in eastern Long Island Sound. *J Exp Mar Biol Ecol* 443:12–20 doi:10.1016/j.jembe.2013.02.030
- Jaquet N, Raffaelli D (1989) The ecological importance of the sand goby *Pomatoschistus minutus* (Pallas). *J Exp Mar Biol Ecol* 128:147–156 doi:10.1016/0022-0981(89)90142-1

- Jayewardene D (2009) A factorial experiment quantifying the influence of parrotfish density and size on algal reduction on Hawaiian coral reefs. *J Exp Mar Biol Ecol* 375:64–69 doi:10.1016/j.jembe.2009.05.006
- Jenkins SR, Coleman RA, Della Santina P, Hawkins SJ, Burrows MT, Hartnoll RG (2005) Regional scale differences in the determinism of grazing effects in the rocky intertidal. *Mar Ecol Prog Ser* 287:77–86 doi:10.3354/meps287077
- Jernakoff P (1985) An experimental evaluation of the influence of barnacles, crevices and seasonal patterns of grazing on algal diversity and cover in an intertidal barnacle zone. *J Exp Mar Biol Ecol* 88:287–302 doi:10.1016/0022-0981(85)90236-9
- Jernakoff P, Fairweather PG (1985) An experimental-analysis of interactions among several intertidal organisms. *J Exp Mar Biol Ecol* 94:71–88 doi:10.1016/0022-0981(85)90050-4
- Jessen C, Wild C (2013) Herbivory effects on benthic algal composition and growth on a coral reef flat in the Egyptian Red Sea. *Mar Ecol Prog Ser* 476:9–21 doi:10.3354/meps10157
- Jewett EB, Hines AH, Ruiz GM (2005) Epifaunal disturbance by periodic low levels of dissolved oxygen: native vs. invasive species response. *Mar Ecol Prog Ser* 304:31–44 doi:10.3354/meps304031
- Johnson DS, Fleeger JW (2009) Weak response of saltmarsh infauna to ecosystem-wide nutrient enrichment and fish predator reduction: A four-year study. *J Exp Mar Biol Ecol* 373:35–44 doi:10.1016/j.jembe.2009.03.003
- Johnson DS, Fleeger JW, Deegan LA (2009) Large-scale manipulations reveal that top-down and bottom-up controls interact to alter habitat utilization by saltmarsh fauna. *Mar Ecol Prog Ser* 377:33–41 doi:10.3354/meps07849
- Johnston EL, Keough MJ (2005) Reduction of pollution impacts through the control of toxicant release rate must be site- and season-specific. *J Exp Mar Biol Ecol* 320:9–33 doi:10.1016/j.jembe.2004.12.024
- Jones GP (1990) The importance of recruitment to the dynamics of a coral-reef fish population. *Ecology* 71:1691–1698 doi:10.2307/1937578
- Jones GP, Ferrell DJ, Sale PF (1992) Fish feeding and dynamics of soft-sediment mollusk populations in a coral-reef lagoon. *Mar Ecol Prog Ser* 80:175–190 doi:10.3354/meps080175
- Jordan LKB, Gilliam DS, Spieler RE (2005) Reef fish assemblage structure affected by small-scale spacing and size variations of artificial patch reefs. *J Exp Mar Biol Ecol* 326:170–186 doi:10.1016/j.jembe.2005.05.023
- Jormalainen V, Ramsay T (2009) Resistance of the brown alga *Fucus vesiculosus* to herbivory. *Oikos* 118:713–722 doi:10.1111/j.1600-0706.2008.17178.x
- Kaehler S, Williams GA (1997) Do factors influencing recruitment ultimately determine the distribution and abundance of encrusting algae on seasonal tropical shores? *Mar Ecol Prog Ser* 156:87–96 doi:10.3354/meps156087
- Kang RS, Park HS, Won KS, Kim JM, Levings C (2005) Competition as a determinant of the upper limit of subtidal kelp *Ecklonia stolonifera* Okamura in the southern coast of Kotera. *J Exp Mar Biol Ecol* 314:41–52 doi:10.1016/j.jembe.2004.08.019
- Katz CH (1985) A nonequilibrium marine predator-prey interaction. *Ecology* 66:1426–1438 doi:10.2307/1938005
- Kelaher BP, Van Den Broek J, York PH, Bishop MJ, Booth DJ (2013) Positive responses of a seagrass ecosystem to experimental nutrient enrichment. *Mar Ecol Prog Ser* 487:15–25 doi:10.3354/meps10364

- Kennelly SJ (1989) Effects of kelp canopies on understory species due to shade and scour. *Mar Ecol Prog Ser* 50:215–224 doi:10.3354/meps050215
- Kennelly SJ, Underwood AJ (1993) Geographic consistencies of effects of experimental physical disturbance on understory species in sublittoral kelp forests in central New South Wales. *J Exp Mar Biol Ecol* 168:35–58 doi:10.1016/0022-0981(93)90115-5
- Keser M, Larson BR (1984) Colonization and growth dynamics of 3 species of *Fucus*. *Mar Ecol Prog Ser* 15:125–134 doi:10.3354/meps015125
- Kiehl K, Esselink P, Bakker JP (1997) Nutrient limitation and plant species composition in temperate salt marshes. *Oecologia* 111:325–330 doi:10.1007/s004420050242
- Kilar JA, McLachlan J (1989) Effects of wave exposure on the community structure of a plant-dominated, fringing-reef platform - intermediate disturbance and disturbance-mediated competition. *Mar Ecol Prog Ser* 54:265–276 doi:10.3354/meps054265
- Kim JH (1997) The role of herbivory, and direct and indirect interactions, in algal succession. *J Exp Mar Biol Ecol* 217:119–135 doi:10.1016/S0022-0981(97)00054-3
- Kim JH, DeWreede RE (1996) Effects of size and season of disturbance on algal patch recovery in a rocky intertidal community. *Mar Ecol Prog Ser* 133:217–228 doi:10.3354/meps133217
- Kimbrow DL, Grosholz ED, Baukus AJ, Nesbitt NJ, Travis NM, Attoe S, Coleman-Hulbert C (2009) Invasive species cause large-scale loss of native California oyster habitat by disrupting trophic cascades. *Oecologia* 160:563–575 PubMed doi:10.1007/s00442-009-1322-0
- Kneer D, Asmus H, Jompa J (2013) Do burrowing callianassid shrimp control the lower boundary of tropical seagrass beds? *J Exp Mar Biol Ecol* 446:262–272 doi:10.1016/j.jembe.2013.05.023
- Kon K, Kurokura H, Tongnunui P (2009) Do mangrove root structures function to shelter benthic macrofauna from predators? *J Exp Mar Biol Ecol* 370:1–8 doi:10.1016/j.jembe.2008.11.001
- Larson AA, Stachowicz JJ, Hentschel BT (2009) The effect of a tube-building phoronid on associated infaunal species diversity, composition and community structure. *J Exp Mar Biol Ecol* 381:126–135 doi:10.1016/j.jembe.2009.09.015
- Lavery PS, McMahon K, Mulligan M, Tennyson A (2009) Interactive effects of timing, intensity and duration of experimental shading on *Amphibolis griffithii*. *Mar Ecol Prog Ser* 394:21–33 doi:10.3354/meps08242
- Lee SY, Fong CW, Wu RSS (2001) The effects of seagrass (*Zostera japonica*) canopy structure on associated fauna: a study using artificial seagrass units and sampling of natural beds. *J Exp Mar Biol Ecol* 259:23–50 PubMed doi:10.1016/S0022-0981(01)00221-0
- Levenbach S (2009) Grazing intensity influences the strength of an associational refuge on temperate reefs. *Oecologia* 159:181–190 PubMed doi:10.1007/s00442-008-1186-8
- Levin PS (1993) Habitat structure, conspecific presence and spatial variation in the recruitment of a temperate reef fish. *Oecologia* 94:176–185 doi:10.1007/BF00341315
- Levin LA, Huggett DV (1990) Implications of alternative reproductive modes for seasonality and demography in an estuarine polychaete. *Ecology* 71:2191–2208 doi:10.2307/1938632
- Lewis DB, Eby LA (2002) Spatially heterogeneous refugia and predation risk in intertidal salt marshes. *Oikos* 96:119–129 doi:10.1034/j.1600-0706.2002.960113.x
- Linares C, Coma R, Diaz D, Zabala M, Hereu B, Dantart L (2005) Immediate and delayed effects of a mass mortality event on gorgonian population dynamics and benthic community structure in the NW Mediterranean Sea. *Mar Ecol Prog Ser* 305:127–137 doi:10.3354/meps305127

- Lindegarth M, Aberg P, Cervin G, Nilsson PG (2001) Effects of grazing on the structure of mid-shore, intertidal assemblages on moderately exposed rocky shores of the Swedish west coast. *Mar Ecol Prog Ser* 212:29–38 doi:10.3354/meps212029
- Lively CM, Raimondi PT, Delph LF (1993) Intertidal community structure - space-time interactions in the northern Gulf of California. *Ecology* 74:162–173 doi:10.2307/1939511
- Lohrer AM, Rodil IF, Townsend M, Chiaroni LD, Hewitt JE, Thrush SF (2013) Biogenic habitat transitions influence facilitation in a marine soft-sediment ecosystem. *Ecology* 94:136–145 PubMed doi:10.1890/11-1779.1
- Long WC, Sellers AJ, Hines AH (2013) Mechanism by which coarse woody debris affects predation and community structure in Chesapeake Bay. *J Exp Mar Biol Ecol* 446:297–305 doi:10.1016/j.jembe.2013.05.021
- Lopez Gappa JJ (1989) Overgrowth competition in an assemblage of encrusting bryozoans settled in artificial substrata. *Mar Ecol Prog Ser* 51:121–130 doi:10.3354/meps051121
- MacDonald JA, Weis JS (2013) Fish community features correlate with prop root epibionts in Caribbean mangroves. *J Exp Mar Biol Ecol* 441:90–98 doi:10.1016/j.jembe.2013.01.019
- Maggi E, Bertocci I, Vaselli S, Benedetti-Cecchi L (2009) Effects of changes in number, identity and abundance of habitat-forming species on assemblages of rocky seashores. *Mar Ecol Prog Ser* 381:39–49 doi:10.3354/meps07949
- Martin-Smith KM (1993) Abundance of mobile epifauna - the role of habitat complexity and predation by fishes. *J Exp Mar Biol Ecol* 174:243–260 doi:10.1016/0022-0981(93)90020-O
- Marzinelli EM, Zagal CJ, Chapman MG, Underwood AJ (2009) Do modified habitats have direct or indirect effects on epifauna? *Ecology* 90:2948–2955 PubMed doi:10.1890/08-1893.1
- Maughan BC (2001) The effects of sedimentation and light on recruitment and development of a temperate, subtidal, epifaunal community. *J Exp Mar Biol Ecol* 256:59–71 PubMed doi:10.1016/S0022-0981(00)00304-X
- McConnico LA, Foster MS (2005) Population biology of the intertidal kelp, *Alaria marginata* Postels and Ruprecht: A non-fugitive annual. *J Exp Mar Biol Ecol* 324:61–75 doi:10.1016/j.jembe.2005.04.006
- McGuinness KA (1989) Effects of some natural and artificial substrata on sessile marine organisms at Galeta reef, Panama. *Mar Ecol Prog Ser* 52:201–208 doi:10.3354/meps052201
- McLusky DS, Anderson FE, Wolfemurphy S (1983) Distribution and population recovery of *Arenicola marina* and other benthic fauna after bait digging. *Mar Ecol Prog Ser* 11:173–179 doi:10.3354/meps011173
- McQuaid CD, Froneman PW (1993) Mutualism between the territorial intertidal limpet *Patella longicosta* and the crustose alga *Ralfsia verrucosa*. *Oecologia* 96:128–133 doi:10.1007/BF00318040
- Meese RJ (1993) Effects of predation by birds on gooseneck barnacle *Pollicipes polymerus* Sowerby distribution and abundance. *J Exp Mar Biol Ecol* 166:47–64 doi:10.1016/0022-0981(93)90078-3
- Menge BA, Lubchenco J, Ashkenas LR (1985) Diversity, heterogeneity and consumer pressure in a tropical rocky intertidal community. *Oecologia* 65:394–405 doi:10.1007/BF00378915
- Menge BA, Allison GW, Blanchette CA, Farrell TM, Olson AM, Turner TA, van Tamelen P (2005) Stasis or kinesis? Hidden dynamics of a rocky intertidal macrophyte mosaic revealed by a spatially explicit approach. *J Exp Mar Biol Ecol* 314:3–39 doi:10.1016/j.jembe.2004.09.015

- Miller MW, Valdivia A, Kramer KL, Mason B, Williams DE, Johnston L (2009) Alternate benthic assemblages on reef restoration structures and cascading effects on coral settlement. *Mar Ecol Prog Ser* 387:147–156 doi:10.3354/meps08097
- Minchinton TE (1997) Life on the edge: Conspecific attraction and recruitment of populations to disturbed habitats. *Oecologia* 111:45–52 doi:10.1007/s004420050206
- Minchinton TE, Fels KJ (2013) Sediment disturbance associated with trampling by humans alters species assemblages on a rocky intertidal seashore. *Mar Ecol Prog Ser* 472:129–140 doi:10.3354/meps10120
- Moran KL, Bjorndal KA (2005) Simulated green turtle grazing affects structure and productivity of seagrass pastures. *Mar Ecol Prog Ser* 305:235–247 doi:10.3354/meps305235
- Munday PL, Jones GP, Caley MJ (2001) Interspecific competition and coexistence in a guild of coral-dwelling fishes. *Ecology* 82:2177–2189 doi:10.1890/0012-9658(2001)082[2177:ICACIA]2.0.CO;2
- Murray SN, Horn MH (1989) Variations in standing stocks of central California macrophytes from a rocky intertidal habitat before and during the 1982-1983 El Niño. *Mar Ecol Prog Ser* 58:113–122 doi:10.3354/meps058113
- Nandakumar K (1996) Importance of timing of panel exposure on the competitive outcome and succession of sessile organisms. *Mar Ecol Prog Ser* 131:191–203 doi:10.3354/meps131191
- Nelson WG (1981) Experimental studies of decapod and fish predation on seagrass macrobenthos. *Mar Ecol Prog Ser* 5:141–149 doi:10.3354/meps005141
- Nicastro A, Bishop MJ, Kelaher BP, Benedetti-Cecchi L (2009) Export of non-native gastropod shells to a coastal lagoon: Alteration of habitat structure has negligible effects on infauna. *J Exp Mar Biol Ecol* 374:31–36 doi:10.1016/j.jembe.2009.04.005
- O’Leary JK, Potts D, Schoenrock KM, McClaharan TR (2013) Fish and sea urchin grazing opens settlement space equally but urchins reduce survival of coral recruits. *Mar Ecol Prog Ser* 493:165–177 doi:10.3354/meps10510
- Okamoto DK, Stekoll MS, Eckert GL (2013) Coexistence despite recruitment inhibition of kelps by subtidal algal crusts. *Mar Ecol Prog Ser* 493:103–112 doi:10.3354/meps10505
- Oliver JS, Kvitek RG, Slattery PN (1985) Walrus feeding disturbance - scavenging habits and recolonization of the Bering Sea benthos. *J Exp Mar Biol Ecol* 91:233–246 doi:10.1016/0022-0981(85)90178-9
- Olsgard F, Hasle JR (1993) Impact of waste from titanium mining on benthic fauna. *J Exp Mar Biol Ecol* 172:185–213 doi:10.1016/0022-0981(93)90097-8
- Ortega S (1985) Competitive interactions among tropical intertidal limpets. *J Exp Mar Biol Ecol* 90:11–25 doi:10.1016/0022-0981(85)90071-1
- Paramor OAL, Hughes RG (2005) Effects of the invertebrate infauna on early saltmarsh plant colonisation of managed realignment areas in south-east England. *Mar Ecol Prog Ser* 303:61–71 doi:10.3354/meps303061
- Parker JD, Duffy JE, Orth RJ (2001) Plant species diversity and composition: experimental effects on marine epifaunal assemblages. *Mar Ecol Prog Ser* 224:55–67 doi:10.3354/meps224055
- Peterson BJ, Valentine JF, Heck KL (2013) The snapper-grunt pump: Habitat modification and facilitation of the associated benthic plant communities by reef-resident fish. *J Exp Mar Biol Ecol* 441:50–54 doi:10.1016/j.jembe.2013.01.015
- Petratis PS (1990) Direct and indirect effects of predation, herbivory and surface rugosity on mussel recruitment. *Oecologia* 83:405–413 doi:10.1007/BF00317568

- Petraitis PS, Dudgeon SR (2005) Divergent succession and implications for alternative states on rocky intertidal shores. *J Exp Mar Biol Ecol* 326:14–26 doi:10.1016/j.jembe.2005.05.013
- Petraitis PS, Methratta ET, Rhile EC, Vidargas NA, Dudgeon SR (2009) Experimental confirmation of multiple community states in a marine ecosystem. *Oecologia* 161:139–148 PubMed doi:10.1007/s00442-009-1350-9
- Piazzi L, Ceccherelli G, Cinelli F (2001) Threat to macroalgal diversity: Effects of the introduced green alga *Caulerpa racemosa* in the Mediterranean. *Mar Ecol Prog Ser* 210:149–159 doi:10.3354/meps210149
- Planes S, Galzin R, Bablet JP, Sale PF (2005) Stability of coral reef fish assemblages impacted by nuclear tests. *Ecology* 86:2578–2585 doi:10.1890/04-0774
- Power ME (1990) Resource enhancement by indirect effects of grazers - armored catfish, algae, and sediment. *Ecology* 71:897–904 doi:10.2307/1937361
- Quijón PA, Snelgrove PVR (2005a) Differential regulatory roles of crustacean predators in a sub-arctic, soft-sediment system. *Mar Ecol Prog Ser* 285:137–149 doi:10.3354/meps285137
- Quijón PA, Snelgrove PVR (2005b) Predation regulation of sedimentary faunal structure: potential effects of a fishery-induced switch in predators in a Newfoundland sub-Arctic fjord. *Oecologia* 144:125–136 PubMed doi:10.1007/s00442-005-0017-4
- Quinn GP, Ryan NR (1989) Competitive interactions between 2 species of intertidal herbivorous gastropods from Victoria, Australia. *J Exp Mar Biol Ecol* 125:1–12 doi:10.1016/0022-0981(89)90212-8
- Reed DC (1990) An experimental evaluation of density dependence in a subtidal algal population. *Ecology* 71:2286–2296 doi:10.2307/1938639
- Ribeiro PD, Iribame OO, Daleo P (2005) The relative importance of substratum characteristics and recruitment in determining the spatial distribution of the fiddler crab *Uca uruguayensis* Nobili. *J Exp Mar Biol Ecol* 314:99–111 doi:10.1016/j.jembe.2004.09.014
- Robertson DR, Hoffman SG, Sheldon JM (1981) Availability of space for the territorial Caribbean damselfish *Eupomacentrus planifrons*. *Ecology* 62:1162–1169 doi:10.2307/1937280
- Robles CD (1997) Changing recruitment in constant species assemblages: Implications for predation theory in intertidal communities. *Ecology* 78:1400–1414 doi:10.1890/0012-9658(1997)078[1400:CRICSA]2.0.CO;2
- Robles CD, Cubit J (1981) Influence of biotic factors in an upper inter-tidal community - dipteran larvae grazing on algae. *Ecology* 62:1536–1547 doi:10.2307/1941510
- Robles C, Robb J (1993) Varied carnivore effects and the prevalence of intertidal algal turfs. *J Exp Mar Biol Ecol* 166:65–91 doi:10.1016/0022-0981(93)90079-4
- Robles CD, Desharnais RA, Garza C, Donahue MJ, Martinez CA (2009) Complex equilibria in the maintenance of boundaries: experiments with mussel beds. *Ecology* 90:985–995 PubMed doi:10.1890/08-0919.1
- Ross DJ, Longmore AR, Keough MJ (2013) Spatially variable effects of a marine pest on ecosystem function. *Oecologia* 172:525–538 PubMed doi:10.1007/s00442-012-2497-3
- Rubin JA (1985) Mortality and avoidance of competitive overgrowth in encrusting Bryozoa. *Mar Ecol Prog Ser* 23:291–299 doi:10.3354/meps023291
- Ruiz JM, Romero J (2001) Effects of in situ experimental shading on the Mediterranean seagrass *Posidonia oceanica*. *Mar Ecol Prog Ser* 215:107–120 doi:10.3354/meps215107
- Russell BD, Connell SD (2005) A novel interaction between nutrients and grazers alters relative dominance of marine habitats. *Mar Ecol Prog Ser* 289:5–11 doi:10.3354/meps289005

- Sala E (1997) The role of fishes in the organization of a Mediterranean sublittoral community. 2. Epifaunal communities. *J Exp Mar Biol Ecol* 212:45–60 doi:10.1016/S0022-0981(96)02746-3
- Sams MA, Keough MJ (2013a) Early recruitment variation and an established dominant alter the composition of a temperate fouling community. *Mar Ecol Prog Ser* 486:79–91 doi:10.3354/meps10351
- Sams MA, Keough MJ (2013b) Effects of early recruits on temperate sessile marine community composition depend on other species recruiting at the time. *Oecologia* 173:259–268 PubMed doi:10.1007/s00442-013-2597-8
- Santelices B, Montalva S, Olinger P (1981) Competitive algal community organization in exposed inter-tidal habitats from central Chile. *Mar Ecol Prog Ser* 6:267–276 doi:10.3354/meps006267
- Sauer Machado KRS, Chapman ARO, Coutinho R (1996) Consumer species have limited and variable roles in community organization on a tropical intertidal shore. *Mar Ecol Prog Ser* 134:73–83 doi:10.3354/meps134073
- Scheibling RE, Kelly NE, Raymond BG (2009) Herbivory and community organization on a subtidal cobble bed. *Mar Ecol Prog Ser* 382:113–128 doi:10.3354/meps07965
- Schmidt GH, Warner GF (1984) Effects of caging on the development of a sessile epifaunal community. *Mar Ecol Prog Ser* 15:251–263 doi:10.3354/meps015251
- Schroeder RE, Parrish JD (2005) Resilience of predators to fishing pressure on coral patch reefs. *J Exp Mar Biol Ecol* 321:93–107 doi:10.1016/j.jembe.2005.01.007
- Seneca ED, Broome SW, Woodhouse WW (1985) The influence of duration-of-inundation on development of a man-initiated *Spartina alterniflora* Loisel marsh in north-Carolina. *J Exp Mar Biol Ecol* 94:259–268 doi:10.1016/0022-0981(85)90063-2
- Shepherd SA, Turner JA (1985) Studies on southern Australian abalone (genus *Haliotis*). 6. habitat preference, abundance and predators of juveniles. *J Exp Mar Biol Ecol* 93:285–298 doi:10.1016/0022-0981(85)90245-X
- Shulman MJ (1985) Recruitment of coral-reef fishes - effects of distribution of predators and shelter. *Ecology* 66:1056–1066 doi:10.2307/1940565
- Shumway SW, Bertness MD (1994) Patch size effects on marsh plant secondary succession mechanisms. *Ecology* 75:564–568 doi:10.2307/1939559
- Simkanin C, Dower JF, Filip N, Jamieson G, Therriault TW (2013) Biotic resistance to the infiltration of natural benthic habitats: Examining the role of predation in the distribution of the invasive ascidian *Botrylloides violaceus*. *J Exp Mar Biol Ecol* 439:76–83 doi:10.1016/j.jembe.2012.10.004
- Siple MC, Donahue MJ (2013) Invasive mangrove removal and recovery: Food web effects across a chronosequence. *J Exp Mar Biol Ecol* 448:128–135 doi:10.1016/j.jembe.2013.06.008
- Skilleter GA, Zharikov Y, Cameron B, McPhee DP (2005) Effects of harvesting callinassid (ghost) shrimps on subtropical benthic communities. *J Exp Mar Biol Ecol* 320:133–158 doi:10.1016/j.jembe.2004.12.033
- Smale DA (2013) Multi-scale patterns of spatial variability in sessile assemblage structure do not alter predictably with development time. *Mar Ecol Prog Ser* 482:29–41 doi:10.3354/meps10273
- Smee DL, Overath RD, Johnson KD, Sanchez JA (2013) Intraspecific variation influences natural settlement of eastern oysters. *Oecologia* 173:947–953 PubMed doi:10.1007/s00442-013-2645-4

- Smith TJ, Odum WE (1981) The effects of grazing by snow geese on coastal salt marshes. *Ecology* 62:98–106 doi:10.2307/1937736
- Sogard SM (1989) Colonization of artificial seagrass by fishes and decapod crustaceans - importance of proximity to natural eelgrass. *J Exp Mar Biol Ecol* 133:15–37 doi:10.1016/0022-0981(89)90155-X
- Sousa WP, Schroeter SC, Gaines SD (1981) Latitudinal variation in inter-tidal algal community structure - the influence of grazing and vegetative propagation. *Oecologia* 48:297–307 doi:10.1007/BF00346486
- Spivak AC, Canuel EA, Duffy JE, Douglass JG, Richardson JP (2009) Epifaunal community composition and nutrient addition alter sediment organic matter composition in a natural eelgrass *Zostera marina* bed: a field experiment. *Mar Ecol Prog Ser* 376:55–67 doi:10.3354/meps07813
- Stachowicz JJ, Whitlatch RB (2005) Multiple mutualists provide complementary benefits to their seaweed host. *Ecology* 86:2418–2427 doi:10.1890/04-0819
- Stanwell-Smith D, Barnes DKA (1997) Benthic community development in Antarctica: Recruitment and growth on settlement panels at Signy Island. *J Exp Mar Biol Ecol* 212:61–79 doi:10.1016/S0022-0981(96)02754-2
- Steele MA (1997) Population regulation by post-settlement mortality in two temperate reef fishes. *Oecologia* 112:64–74 doi:10.1007/s004420050284
- Steffani CN, Branch GM (2005) Mechanisms and consequences of competition between an alien mussel, *Mytilus galloprovincialis*, and an indigenous limpet, *Scutellastra argenvillei*. *J Exp Mar Biol Ecol* 317:127–142 doi:10.1016/j.jembe.2004.11.022
- Stier AC, Geange SW, Hanson KM, Bolker BM (2013) Predator density and timing of arrival affect reef fish community assembly. *Ecology* 94:1057–1068 PubMed doi:10.1890/11-1983.1
- Stimson J (1985) The effect of shading by the table coral *Acropora hyacinthus* on understory corals. *Ecology* 66:40–53 doi:10.2307/1941305
- Stoner AW (1989) Density-dependent growth and grazing effects of juvenile queen conch *Strombus gigas* L. in a tropical seagrass meadow. *J Exp Mar Biol Ecol* 130:119–133 doi:10.1016/0022-0981(89)90199-8
- Sumi CBT, Scheibling RE (2005) Role of grazing by sea urchins *Strongylocentrotus droebachiensis* in regulating the invasive alga *Codium fragile* ssp. *tomentosoides* in Nova Scotia. *Mar Ecol Prog Ser* 292:203–212 doi:10.3354/meps292203
- Summerhayes SA, Bishop MJ, Leigh A, Kelaher BP (2009) Effects of oyster death and shell disarticulation on associated communities of epibiota. *J Exp Mar Biol Ecol* 379:60–67 doi:10.1016/j.jembe.2009.08.006
- Summerson HC, Peterson CH (1984) Role of predation in organizing benthic communities of a temperate-zone seagrass bed. *Mar Ecol Prog Ser* 15:63–77 doi:10.3354/meps015063
- Syms C, Jones GP (2001) Soft corals exert no direct effects on coral reef fish assemblages. *Oecologia* 127:560–571 doi:10.1007/s004420000617
- Tamburello L, Bulleri F, Bertocci I, Maggi E, Benedetti-Cecchi L (2013a) Reddened seascapes: experimentally induced shifts in 1/f spectra of spatial variability in rocky intertidal assemblages. *Ecology* 94:1102–1111 PubMed doi:10.1890/12-1293.1
- Tamburello L, Benedetti-Cecchi L, Masini L, Bulleri F (2013b) Habitat heterogeneity promotes the coexistence of exotic seaweeds. *Oecologia* 172:505–513 PubMed doi:10.1007/s00442-012-2510-x

- Taylor DI, Schiel DR (2005) Self-replacement and community modification by the southern bull kelp *Durvillaea antarctica*. *Mar Ecol Prog Ser* 288:87–102 doi:10.3354/meps288087
- Tegner MJ, Dayton PK, Edwards PB, Riser KL (1997) Large-scale, low-frequency oceanographic effects on kelp forest succession: A tale of two cohorts. *Mar Ecol Prog Ser* 146:117–134 doi:10.3354/meps146117
- terHorst CP, Dudgeon SR (2009) Beyond the patch: Disturbance affects species abundances in the surrounding community. *J Exp Mar Biol Ecol* 370:120–126 PubMed doi:10.1016/j.jembe.2008.12.007
- Thrush SF, Pridmore RD, Hewitt JE, Cummings VJ (1991) Impact of ray feeding disturbances on sandflat macrobenthos - do communities dominated by polychaetes or shellfish respond differently. *Mar Ecol Prog Ser* 69:245–252 doi:10.3354/meps069245
- Tomas F, Turon X, Romero J (2005) Effects of herbivores on a *Posidonia oceanica* seagrass meadow: importance of epiphytes. *Mar Ecol Prog Ser* 287:115–125 doi:10.3354/meps287115
- Turner T (1985) Stability of rocky intertidal surfgrass beds - persistence, preemption, and recovery. *Ecology* 66:83–92 doi:10.2307/1941308
- Turner T, Lucas J (1985) Differences and similarities in the community roles of 3 rocky intertidal surfgrasses. *J Exp Mar Biol Ecol* 89:175–189 doi:10.1016/0022-0981(85)90125-X
- Tuya F, Espino F, Terrados J (2013a) Preservation of seagrass clonal integration buffers against burial stress. *J Exp Mar Biol Ecol* 439:42–46 doi:10.1016/j.jembe.2012.10.015
- Tuya F, Viera-Rodriguez MA, Guedes R, Espino F, Haroun R, Terrados J (2013b) Seagrass responses to nutrient enrichment depend on clonal integration, but not flow-on effects on associated biota. *Mar Ecol Prog Ser* 490:23–35 doi:10.3354/meps10448
- Underwood AJ, Jernakoff P (1981) Effects of interactions between algae and grazing gastropods on the structure of a low-shore inter-tidal algal community. *Oecologia* 48:221–233 doi:10.1007/BF00347968
- Valdivia N, Heidemann A, Thiel M, Molis M, Wahl M (2005) Effects of disturbance on the diversity of hard-bottom macrobenthic communities on the coast of Chile. *Mar Ecol Prog Ser* 299:45–54 doi:10.3354/meps299045
- Valentine JP, Johnson CR (2005) Persistence of the exotic kelp *Undaria pinnatifida* does not depend on sea urchin grazing. *Mar Ecol Prog Ser* 285:43–55 doi:10.3354/meps285043
- Valentine JF, Heck KL, Busby J, Webb D (1997) Experimental evidence that herbivory increases shoot density and productivity in a subtropical turtlegrass (*Thalassia testudinum*) meadow. *Oecologia* 112:193–200 doi:10.1007/s004420050300
- van Tamelen PG, Stekoll MS, Deysher L (1997) Recovery processes of the brown alga *Fucus gardneri* following the 'Exxon Valdez' oil spill: settlement and recruitment. *Mar Ecol Prog Ser* 160:265–277 doi:10.3354/meps160265
- Viejo RM (2009) Resilience in intertidal rocky shore assemblages across the stress gradient created by emersion times. *Mar Ecol Prog Ser* 390:55–65 doi:10.3354/meps08171
- Viejo RM, Aberg P (2001) Effects of density on the vital rates of a modular seaweed. *Mar Ecol Prog Ser* 221:105–115 doi:10.3354/meps221105
- Wada Y, Iwasaki K, Yusa Y (2013) Changes in algal community structure via density- and trait-mediated indirect interactions in a marine ecosystem. *Ecology* 94:2567–2574 PubMed doi:10.1890/12-0725.1
- Warwick RM, Davey JT, Gee JM, George CL (1981) Faunistic control of *Enteromorpha* blooms - a field experiment. *J Exp Mar Biol Ecol* 56:23–31 doi:10.1016/0022-0981(81)90005-8

- Wellington GM, Victor BC (1985) El Niño mass coral mortality - a test of resource limitation in a coral reef damselfish population. *Oecologia* 68:15–19 doi:10.1007/BF00379466
- Whalen MA, Duffy JE, Grace JB (2013) Temporal shifts in top-down vs. bottom-up control of epiphytic algae in a seagrass ecosystem. *Ecology* 94:510–520 PubMed doi:10.1890/12-0156.1
- Whitlatch RB, Zajac RN (1985) Biotic interactions among estuarine infaunal opportunistic species. *Mar Ecol Prog Ser* 21:299–311 doi:10.3354/meps021299
- Williams AH (1981) An analysis of competitive interactions in a patchy back-reef environment. *Ecology* 62:1107–1120 doi:10.2307/1937008
- Williams SL (1988) Disturbance and recovery of a deep-water Caribbean seagrass bed. *Mar Ecol Prog Ser* 42:63–71 doi:10.3354/meps042063
- Williams GA (1993) Seasonal-variation in algal species richness and abundance in the presence of molluscan herbivores on a tropical rocky shore. *J Exp Mar Biol Ecol* 167:261–275 doi:10.1016/0022-0981(93)90034-L
- Williams ID, Polunin NVC, Hendrick VJ (2001) Limits to grazing by herbivorous fishes and the impact of low coral cover on macroalgal abundance on a coral reef in Belize. *Mar Ecol Prog Ser* 222:187–196 doi:10.3354/meps222187
- Williams SL, Bracken MES, Jones E (2013) Additive effects of physical stress and herbivores on intertidal seaweed biodiversity. *Ecology* 94:1089–1101 PubMed doi:10.1890/12-0401.1
- Wilson WH (1989) Predation and the mediation of intraspecific competition in an infaunal community in the Bay of Fundy. *J Exp Mar Biol Ecol* 132:221–245 doi:10.1016/0022-0981(89)90129-9
- Wolf AT, Nugues MM (2013) Synergistic effects of algal overgrowth and corallivory on Caribbean reef-building corals. *Ecology* 94:1667–1674 PubMed doi:10.1890/12-0680.1
- Woodin SA (1981) Disturbance and community structure in a shallow-water sand flat. *Ecology* 62:1052–1066 doi:10.2307/1937004
- Worm B, Lotze HK, Sommer U (2001) Algal propagule banks modify competition, consumer and resource control on Baltic rocky shores. *Oecologia* 128:281–293 doi:10.1007/s004420100648
- Worthington DG, Fairweather PG (1989) Shelter and food - interactions between *Turbo undulatum* (Archaeogastropoda, Turbinidae) and coralline algae on rocky seashores in New South Wales. *J Exp Mar Biol Ecol* 129:61–79 doi:10.1016/0022-0981(89)90063-4
- Wright JT, Dworjanyn SA, Rogers CN, Steinberg PD, Williamson JE, Poore AGB (2005) Density-dependent sea urchin grazing: differential removal of species, changes in community composition and alternative community states. *Mar Ecol Prog Ser* 298:143–156 doi:10.3354/meps298143
- Yakovis EL, Artemieva AV, Fokin MV, Grishankov AV, Shunatova NN (2005) Patches of barnacles and ascidians in soft bottoms: Associated motile fauna in relation to the surrounding assemblage. *J Exp Mar Biol Ecol* 327:210–224 doi:10.1016/j.jembe.2005.06.015
- Yap HT (2009) Local changes in community diversity after coral transplantation. *Mar Ecol Prog Ser* 374:33–41 doi:10.3354/meps07650
- Zajac RN, Whitlatch RB (1982a) Responses of estuarine infauna to disturbance. 1. Spatial and temporal variation of initial recolonization. *Mar Ecol Prog Ser* 10:1–14 doi:10.3354/meps010001

- Zajac RN, Whitlatch RB (1982b) Responses of estuarine infauna to disturbance.2. Spatial and temporal variation of succession. *Mar Ecol Prog Ser* 10:15–27 doi:10.3354/meps010015
- Zajac RN, Whitlatch RB (1989) Natural and disturbance-induced demographic variation in an infaunal polychaete, *Nephtys incisa*. *Mar Ecol Prog Ser* 57:89–102 doi:10.3354/meps057089