Serena Lay-Ming Teo

List of Publications by Citations

24 papers	1,522 citations	20 h-index	24 g-index
24 ext. papers	1,650 ext. citations	5.7 avg, IF	4.4 L-index

#	Paper	IF	Citations
24	Polymer brush coatings for combating marine biofouling. *Progress in Polymer Science*, **2014**, 39, 1017-1042	29.6	316
23	Biomimetic anchors for antifouling and antibacterial polymer brushes on stainless steel. *Langmuir*, **2011**, 27, 7065-76	4	167
22	Tea stains-inspired initiator primer for surface grafting of antifouling and antimicrobial polymer brush coatings. *Biomacromolecules*, **2015**, 16, 723-32	6.9	109
21	Layer-by-layer click deposition of functional polymer coatings for combating marine biofouling. *Biomacromolecules*, **2012**, 13, 2769-80	6.9	92
20	Barnacle cement as surface anchor for "clicking" of antifouling and antimicrobial polymer brushes on stainless steel. *Biomacromolecules*, **2013**, 14, 2041-51	6.9	86
19	Stainless steel surfaces with thiol-terminated hyperbranched polymers for functionalization via thiol-based chemistry. *Polymer Chemistry*, **2013**, 4, 3105	4.9	85
18	Pharmaceuticals as antifoulants: concept and principles. *Biofouling*, **2003**, 19 Suppl, 207-12	3.3	85
17	Cross-linked polyelectrolyte multilayers for marine antifouling applications. *ACS Applied Materials & Interfaces*, **2013**, 5, 5961-8	9.5	80
16	Polyion multilayers with precise surface charge control for antifouling. *ACS Applied Materials & Interfaces*, **2015**, 7, 852-61	9.5	72
15	Early marine bacterial biofilm on a copper-based antifouling paint. *International Biodeterioration and Biodegradation*, **2013**, 83, 71-76	4.8	65
14	Functional polymer brushes via surface-initiated atom transfer radical graft polymerization for combating marine biofouling. *Biofouling*, **2012**, 28, 895-912	3.3	53
13	Sulfobetaine-based polymer brushes in marine environment: is there an effect of the polymerizable group on the antifouling performance?. *Colloids and Surfaces B: Biointerfaces*, **2014**, 120, 118-24	6	48
12	Multilayers of fluorinated amphiphilic polyions for marine fouling prevention. *Langmuir*, **2014**, 30, 288-96	4	44
11	Layer-by-layer deposition of antifouling coatings on stainless steel via catechol-amine reaction. *RSC Advances*, **2014**, 4, 32335-32344	3.7	34
10	Dual hydrophilic and salt responsive schizophrenic block copolymers synthesis and study of self-assembly behavior. *Polymer Chemistry*, **2015**, 6, 599-606	4.9	33
9	Can artificial substrates enriched with crustose coralline algae enhance larval settlement and recruitment in the fluted giant clam (Tridacna squamosa)?. *Hydrobiologia*, **2009**, 625, 83-90	2.4	31
8	Photoinduced anchoring and micropatterning of macroinitiators on polyurethane surfaces for graft polymerization of antifouling brush coatings. *Journal of Materials Chemistry B*, **2014**, 2, 398-408	7.3	29

7	Fabrication of Copper Nanowire Films and their Incorporation into Polymer Matrices for Antibacterial and Marine Antifouling Applications. *Advanced Materials Interfaces*, **2015**, 2, 1400483	4.6	23
6	A preliminary ecotoxicity study of pharmaceuticals in the marine environment. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2006**, 69, 1959-70	3.2	23
5	Antifouling Coatings of Catecholamine Copolymers on Stainless Steel. *Industrial & Engineering Chemistry Research*, **2015**, 54, 5959-5967	3.9	21
4	Larval ecology of the fluted giant clam, Tridacna squamosa, and its potential effects on dispersal models. *Journal of Experimental Marine Biology and Ecology*, **2015**, 469, 76-82	2.1	11
3	A small-scale waterjet test method for screening novel foul-release coatings **2015**, 12, 533-542		10
2	New records of solitary ascidians on artificial structures in Singapore waters. *Marine Biodiversity Records*, **2013**, 6,	2	4
1	Spirobranchus bakau sp. nov. from Singapore: yet another species of S. kraussii-complex (Polychaeta: Serpulidae). *Zootaxa*, **2021**, 5040, 33-65	0.5	1