

Luigi Petrone

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3983121/publications.pdf>

Version: 2024-02-01

20
papers

1,150
citations

567281

15
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

1774
citing authors

#	ARTICLE	IF	CITATIONS
1	Preventing mussel adhesion using lubricant-infused materials. <i>Science</i> , 2017, 357, 668-673.	12.6	375
2	An Underwater Surface- <i>Drying</i> Peptide Inspired by a Mussel Adhesive Protein. <i>Advanced Functional Materials</i> , 2016, 26, 3496-3507.	14.9	163
3	Mussel adhesion is dictated by time-regulated secretion and molecular conformation of mussel adhesive proteins. <i>Nature Communications</i> , 2015, 6, 8737.	12.8	144
4	Effects of surface charge and Gibbs surface energy on the settlement behaviour of barnacle cyprids (<i>Balanus amphitrite</i>). <i>Biofouling</i> , 2011, 27, 1043-1055.	2.2	68
5	Molecular surface chemistry in marine bioadhesion. <i>Advances in Colloid and Interface Science</i> , 2013, 195-196, 1-18.	14.7	68
6	Behaviour of SH-SY5Y neuroblastoma cell line grown in different media and on different chemically modified substrates. <i>Biomaterials</i> , 2007, 28, 2932-2945.	11.4	49
7	Correlation between surface chemistry and settlement behaviour in barnacle cyprids (<i>Balanus</i>) <i>Tj ETQq1 1 0.784314 rgBT /Overl</i>	2.2	40
8	A surface lipid may control the permeability slump associated with entry into anhydrobiosis in the plant parasitic nematode <i>Ditylenchus dipsaci</i> . <i>Journal of Experimental Biology</i> , 2008, 211, 2901-2908.	1.7	30
9	<i>In situ</i> ATR-IR spectroscopic and electron microscopic analyses of settlement secretions of <i>Undaria pinnatifida</i> kelp spores. <i>Journal of the Royal Society Interface</i> , 2011, 8, 410-422.	3.4	29
10	<i>In Situ</i> ATR FTIR Study of Dextrin Adsorption on Anatase TiO ₂ . <i>Langmuir</i> , 2012, 28, 4233-4240.	3.5	29
11	Alginate Ion Adsorption on a TiO ₂ Particle Film and Interactions of Adsorbed Alginate with Calcium Ions Investigated by Attenuated Total Reflection Infrared (ATR-IR) Spectroscopy. <i>Applied Spectroscopy</i> , 2011, 65, 1162-1169.	2.2	23
12	PE-CVD of Acid/Base Coatings from Acrylic Acid and Allylamine Vapours. <i>Plasma Processes and Polymers</i> , 2007, 4, S781-S783.	3.0	22
13	Chemistry-specific surface adsorption of the barnacle settlement-inducing protein complex. <i>Interface Focus</i> , 2015, 5, 20140047.	3.0	22
14	<i>In situ</i> infrared spectroscopic investigation of <i>Perna canaliculus</i> mussel larvae primary settlement. <i>Biofouling</i> , 2008, 24, 405-413.	2.2	20
15	Confocal microscopy-based goniometry of barnacle cyprid permanent adhesive. <i>Journal of Experimental Biology</i> , 2013, 216, 1969-72.	1.7	19
16	Biotinyl moiety-selective polymer films with highly ordered macropores. <i>Chemical Communications</i> , 2013, 49, 5274.	4.1	13
17	Stable Formation of Gold Nanoparticles onto Redox-Active Solid Biosubstrates Made of Squid Suckerin Proteins. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1877-1883.	3.9	12
18	A novel geometry for a laboratory-based larval settlement assay. <i>Biofouling</i> , 2013, 29, 213-221.	2.2	11

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19	Scanning Electron Microscopy and Energy Dispersive X-Ray Microanalysis of <i>Perna canaliculus</i> Mussel Larvae Adhesive Secretion. <i>Journal of Adhesion</i> , 2009, 85, 78-96.	3.0	9
20	Progress in the Study of Adhesion by Marine Invertebrate Larvae. , 2016, , 87-105.		4