

# 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-Drying Peptide Inspired by a Mussel Adhesive Protein. <i>Advanced Functional Materials</i> , 2016, 26, 3496-3507.	14.9	163
3	Progress in the Study of Adhesion by Marine Invertebrate Larvae. , 2016, , 87-105.		4
4	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
5	Chemistry-specific surface adsorption of the barnacle settlement-inducing protein complex. <i>Interface Focus</i> , 2015, 5, 20140047.	3.0	22
6	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
7	Correlation between surface chemistry and settlement behaviour in barnacle cyprids ( <i>Balanus tintinnabulum</i> ). <i>Journal of Experimental Biology</i> , 2014, 217, 107-114.	2.2	40
8	Biotinyl moiety-selective polymer films with highly ordered macropores. <i>Chemical Communications</i> , 2013, 49, 5274.	4.1	13
9	Molecular surface chemistry in marine bioadhesion. <i>Advances in Colloid and Interface Science</i> , 2013, 195-196, 1-18.	14.7	68
10	Confocal microscopy-based goniometry of barnacle cyprid permanent adhesive. <i>Journal of Experimental Biology</i> , 2013, 216, 1969-72.	1.7	19
11	A novel geometry for a laboratory-based larval settlement assay. <i>Biofouling</i> , 2013, 29, 213-221.	2.2	11
12	In Situ ATR FTIR Study of Dextrin Adsorption on Anatase TiO <sub>2</sub> . <i>Langmuir</i> , 2012, 28, 4233-4240.	3.5	29
13	Alginate Ion Adsorption on a TiO <sub>2</sub> 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
14	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
15	In situ 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
16	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
17	In situ infrared spectroscopic investigation of <i>Perna canaliculus</i> mussel larvae primary settlement. <i>Biofouling</i> , 2008, 24, 405-413.	2.2	20
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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