

# Paul J Molino

## List of Publications by Citations

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57  
papers

1,779  
citations

21  
h-index

41  
g-index

61  
ext. papers

2,036  
ext. citations

5.6  
avg, IF

4.83  
L-index

#	Paper	IF	Citations
57	The biology of biofouling diatoms and their role in the development of microbial slimes. <i>Biofouling</i> , <b>2008</b> , 24, 365-79	3.3	211
56	Fibronectin and bovine serum albumin adsorption and conformational dynamics on inherently conducting polymers: a QCM-D study. <i>Langmuir</i> , <b>2012</b> , 28, 8433-45	4	116
55	On Low-Concentration Inks Formulated by Nanocellulose Assisted with Gelatin Methacrylate (GelMA) for 3D Printing toward Wound Healing Application. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 8838-8848	9.5	115
54	THE STRUCTURE AND NANOMECHANICAL PROPERTIES OF THE ADHESIVE MUCILAGE THAT MEDIATES DIATOM-SUBSTRATUM ADHESION AND MOTILITY <sup>1</sup> . <i>Journal of Phycology</i> , <b>2003</b> , 39, 1181-1193		98
53	The glucans extracted with warm water from diatoms are mainly derived from intracellular chrysolaminaran and not extracellular polysaccharides. <i>European Journal of Phycology</i> , <b>2004</b> , 39, 117-128 <sup>2,2</sup>		93
52	Development of the initial diatom microfouling layer on antifouling and fouling-release surfaces in temperate and tropical Australia. <i>Biofouling</i> , <b>2009</b> , 25, 685-94	3.3	91
51	3D printing of nanocellulose hydrogel scaffolds with tunable mechanical strength towards wound healing application. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 7066-7075	7.3	83
50	An erodible polythiophene-based composite for biomedical applications. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 5555		75
49	Organic Conducting Polymer-Protein Interactions. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 828-839	9.6	72
48	Silica Nanoparticles Functionalized with Zwitterionic Sulfobetaine Siloxane for Application as a Versatile Antifouling Coating System. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 18584-18594	9.5	64
47	Development of the primary bacterial microfouling layer on antifouling and fouling release coatings in temperate and tropical environments in Eastern Australia. <i>Biofouling</i> , <b>2009</b> , 25, 149-62	3.3	63
46	Synthesis of large and few atomic layers of hexagonal boron nitride on melted copper. <i>Scientific Reports</i> , <b>2015</b> , 5, 7743	4.9	53
45	Bio-functionalisation of polydimethylsiloxane with hyaluronic acid and hyaluronic acid-collagen conjugate for neural interfacing. <i>Biomaterials</i> , <b>2011</b> , 32, 4714-24	15.6	53
44	Atomically Thin Hexagonal Boron Nitride Nanofilm for Cu Protection: The Importance of Film Perfection. <i>Advanced Materials</i> , <b>2017</b> , 29, 1603937	24	49
43	Influence of Biodopants on PEDOT Biomaterial Polymers: Using QCM-D to Characterize Polymer Interactions with Proteins and Living Cells. <i>Advanced Materials Interfaces</i> , <b>2014</b> , 1, 1300122	4.6	42
42	Hydration Layer Structure of Biofouling-Resistant Nanoparticles. <i>ACS Nano</i> , <b>2018</b> , 12, 11610-11624	16.7	40
41	The quartz crystal microbalance: a new tool for the investigation of the bioadhesion of diatoms to surfaces of differing surface energies. <i>Langmuir</i> , <b>2008</b> , 24, 6730-7	4	36

40	Utilizing QCM-D to characterize the adhesive mucilage secreted by two marine diatom species in-situ and in real-time. <i>Biomacromolecules</i> , <b>2006</b> , 7, 3276-82	6.9	34
39	Novel whole cell adhesion assays of three isolates of the fouling diatom <i>Amphora coffeaeformis</i> reveal diverse responses to surfaces of different wettability. <i>Biofouling</i> , <b>2012</b> , 28, 381-93	3.3	26
38	Conductive surfaces with dynamic switching in response to temperature and salt. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 9285-9294	7.3	25
37	Cell attachment and proliferation on high conductivity PEDOT-glycol composites produced by vapour phase polymerisation. <i>Biomaterials Science</i> , <b>2013</b> , 1, 368-378	7.4	24
36	Zwitterion Functionalized Silica Nanoparticle Coatings: The Effect of Particle Size on Protein, Bacteria, and Fungal Spore Adhesion. <i>Langmuir</i> , <b>2019</b> , 35, 1335-1345	4	21
35	Optical and electrochemical methods for determining the effective area and charge density of conducting polymer modified electrodes for neural stimulation. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 738-46	7.8	21
34	Next generation bioelectronics: Advances in fabrication coupled with clever chemistries enable the effective integration of biomaterials and organic conductors. <i>APL Materials</i> , <b>2015</b> , 3, 014913	5.7	19
33	PEDOT doped with algal, mammalian and synthetic dopants: polymer properties, protein and cell interactions, and influence of electrical stimulation on neuronal cell differentiation. <i>Biomaterials Science</i> , <b>2018</b> , 6, 1250-1261	7.4	19
32	Correlation of the impedance and effective electrode area of doped PEDOT modified electrodes for brain-machine interfaces. <i>Analyst, The</i> , <b>2015</b> , 140, 3164-74	5	19
31	Quantifying Molecular-Level Cell Adhesion on Electroactive Conducting Polymers using Electrochemical-Single Cell Force Spectroscopy. <i>Scientific Reports</i> , <b>2015</b> , 5, 13334	4.9	18
30	Surface modification of polypyrrole/biopolymer composites for controlled protein and cellular adhesion. <i>Biofouling</i> , <b>2013</b> , 29, 1155-67	3.3	17
29	Electrically Induced Disassembly of Electroactive Multilayer Films Fabricated from Water Soluble Polythiophenes. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 5020-5027	15.6	17
28	Hydrophobic conducting polymer films from post deposition thiol exposure. <i>Synthetic Metals</i> , <b>2012</b> , 162, 1464-1470	3.6	15
27	Tunable solution-processable anodic exfoliated graphene. <i>Applied Materials Today</i> , <b>2019</b> , 15, 290-296	6.6	14
26	Reversible shape memory of nanoscale deformations in inherently conducting polymers without reprogramming. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 3371-8	3.4	14
25	PEGylation of platinum bio-electrodes. <i>Electrochemistry Communications</i> , <b>2013</b> , 27, 54-58	5.1	12
24	Conductive and protein resistant polypyrrole films for dexamethasone delivery. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 2570-2577	7.3	11
23	Functionalised inherently conducting polymers as low biofouling materials. <i>Biofouling</i> , <b>2015</b> , 31, 493-503	3.3	10

22	Dynamics of Inter-Molecular Interactions Between Single A $\beta$ Oligomeric and Aggregate Species by High-Speed Atomic Force Microscopy. <i>Journal of Molecular Biology</i> , <b>2019</b> , 431, 2687-2699	6.5	9
21	Synthesis and 3D Printing of Conducting Alginate-Polypyrrole Ionomers. <i>Gels</i> , <b>2020</b> , 6,	4.2	9
20	Surface modification of polyaniline nanorods with thiol-terminated poly(ethylene oxide). <i>Colloid and Polymer Science</i> , <b>2018</b> , 296, 637-645	2.4	9
19	Effective area and charge density of dextran sulphate doped PEDOT modified electrodes. <i>Synthetic Metals</i> , <b>2016</b> , 220, 394-401	3.6	9
18	Effective Area and Charge Density of Chondroitin Sulphate Doped PEDOT Modified Electrodes. <i>Electrochimica Acta</i> , <b>2016</b> , 197, 99-106	6.7	8
17	Influence of biopolymer loading on the physiochemical and electrochemical properties of inherently conducting polymer biomaterials. <i>Synthetic Metals</i> , <b>2015</b> , 200, 40-47	3.6	8
16	Incorporating Biodopants into PEDOT Conducting Polymers: Impact of Biodopant on polymer properties and biocompatibility. <i>Materials Research Society Symposia Proceedings</i> , <b>2013</b> , 1569, 225-230		5
15	Correlation of Impedance and Effective Electrode Area of Dextran Sulfate Doped PEDOT Modified Electrodes. <i>Journal of the Electrochemical Society</i> , <b>2016</b> , 163, H534-H540	3.9	5
14	A robust 3D printed multilayer conductive graphene/polycaprolactone composite electrode. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 1664-1670	7.8	5
13	Fibrinogen, collagen, and transferrin adsorption to poly(3,4-ethylenedioxythiophene)-xylohamno-uronic glycan composite conducting polymer biomaterials for wound healing applications. <i>Biointerphases</i> , <b>2021</b> , 16, 021003	1.8	4
12	Correlation of impedance and effective electrode area of chondroitin sulphate doped PEDOT modified electrodes. <i>Synthetic Metals</i> , <b>2016</b> , 222, 338-343	3.6	3
11	Modified silica nanoparticle coatings: Dual antifouling effects of self-assembled quaternary ammonium and zwitterionic silanes. <i>Biointerphases</i> , <b>2020</b> , 15, 021009	1.8	3
10	Carboxybetaine functionalized nanosilicas as protein resistant surface coatings. <i>Biointerphases</i> , <b>2020</b> , 15, 011001	1.8	2
9	The study of deposition of wood extractives and model compound colloids onto chromium and cellulose surfaces using quartz crystal microbalance with dissipation (QCM-D). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2016</b> , 491, 1-11	5.1	2
8	Fungal spore adhesion on glycidoxypropyltrimethoxy silane modified silica nanoparticle surfaces as revealed by single cell force spectroscopy. <i>Biointerphases</i> , <b>2020</b> , 15, 031012	1.8	1
7	Diatom Adhesives: Molecular and Mechanical Properties <b>2016</b> , 57-86		1
6	Development of in situ soft colloidal probe atomic force microscopy for probing the adhesion between wood extractives and model surfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2016</b> , 500, 203-213	5.1	1
5	Public Health Risks Associated with Heavy Metal and Microbial Contamination of Drinking Water in Australia. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	1

4	Biomedical Applications of Organic Conducting Polymers <b>2019</b> , 783-812		1
3	Redox Polymers for Tissue Engineering.. <i>Frontiers in Medical Technology</i> , <b>2021</b> , 3, 669763	1.9	1
2	Living electrodes based on green algae in hydrogels. <i>Materials Advances</i> , <b>2021</b> , 2, 1369-1377	3.3	1
1	Electroactive Anti-microbial Surfaces <b>2015</b> , 41-60		