Paul J Molino

List of Publications by Year in Descending Order

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	Fibrinogen, collagen, and transferrin adsorption to poly(3,4-ethylenedioxythiophene)-xylorhamno-uronic glycan composite conducting polymer biomaterials for wound healing applications. *Biointerphases*, **2021**, 16, 021003	1.8	4
56	Redox Polymers for Tissue Engineering.. *Frontiers in Medical Technology*, **2021**, 3, 669763	1.9	1
55	Living electrodes based on green algae in hydrogels. *Materials Advances*, **2021**, 2, 1369-1377	3.3	1
54	Fungal spore adhesion on glycidoxypropyltrimethoxy silane modified silica nanoparticle surfaces as revealed by single cell force spectroscopy. *Biointerphases*, **2020**, 15, 031012	1.8	1
53	Carboxybetaine functionalized nanosilicas as protein resistant surface coatings. *Biointerphases*, **2020**, 15, 011001	1.8	2
52	Synthesis and 3D Printing of Conducting Alginate-Polypyrrole Ionomers. *Gels*, **2020**, 6,	4.2	9
51	A robust 3D printed multilayer conductive graphene/polycaprolactone composite electrode. *Materials Chemistry Frontiers*, **2020**, 4, 1664-1670	7.8	5
50	Modified silica nanoparticle coatings: Dual antifouling effects of self-assembled quaternary ammonium and zwitterionic silanes. *Biointerphases*, **2020**, 15, 021009	1.8	3
49	Dynamics of Inter-Molecular Interactions Between Single A□Oligomeric and Aggregate Species by High-Speed Atomic Force Microscopy. *Journal of Molecular Biology*, **2019**, 431, 2687-2699	6.5	9
48	Tunable solution-processable anodic exfoliated graphene. *Applied Materials Today*, **2019**, 15, 290-296	6.6	14
47	On Low-Concentration Inks Formulated by Nanocellulose Assisted with Gelatin Methacrylate (GelMA) for 3D Printing toward Wound Healing Application. *ACS Applied Materials & Interfaces*, **2019**, 11, 8838-8848	9.5	115
46	Zwitterion Functionalized Silica Nanoparticle Coatings: The Effect of Particle Size on Protein, Bacteria, and Fungal Spore Adhesion. *Langmuir*, **2019**, 35, 1335-1345	4	21
45	Public Health Risks Associated with Heavy Metal and Microbial Contamination of Drinking Water in Australia. *International Journal of Environmental Research and Public Health*, **2019**, 16,	4.6	1
44	Biomedical Applications of Organic Conducting Polymers **2019**, 783-812		1
43	Surface modification of polyaniline nanorods with thiol-terminated poly(ethylene oxide). *Colloid and Polymer Science*, **2018**, 296, 637-645	2.4	9
42	PEDOT doped with algal, mammalian and synthetic dopants: polymer properties, protein and cell interactions, and influence of electrical stimulation on neuronal cell differentiation. *Biomaterials Science*, **2018**, 6, 1250-1261	7.4	19
41	3D printing of nanocellulose hydrogel scaffolds with tunable mechanical strength towards wound healing application. *Journal of Materials Chemistry B*, **2018**, 6, 7066-7075	7.3	83

40	Hydration Layer Structure of Biofouling-Resistant Nanoparticles. *ACS Nano*, **2018**, 12, 11610-11624	16.7	40
39	Silica Nanoparticles Functionalized with Zwitterionic Sulfobetaine Siloxane for Application as a Versatile Antifouling Coating System. *ACS Applied Materials & Interfaces*, **2017**, 9, 18584-18594	9.5	64
38	Atomically Thin Hexagonal Boron Nitride Nanofilm for Cu Protection: The Importance of Film Perfection. *Advanced Materials*, **2017**, 29, 1603937	24	49
37	Effective area and charge density of dextran sulphate doped PEDOT modified electrodes. *Synthetic Metals*, **2016**, 220, 394-401	3.6	9
36	Diatom Adhesives: Molecular and Mechanical Properties **2016**, 57-86		1
35	Development of in situ soft colloidal probe atomic force microscopy for probing the adhesion between wood extractives and model surfaces. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2016**, 500, 203-213	5.1	1
34	The study of deposition of wood extractives and model compound colloids onto chromium and cellulose surfaces using quartz crystal microbalance with dissipation (QCM-D). *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2016**, 491, 1-11	5.1	2
33	Conductive and protein resistant polypyrrole films for dexamethasone delivery. *Journal of Materials Chemistry B*, **2016**, 4, 2570-2577	7.3	11
32	Effective Area and Charge Density of Chondroitin Sulphate Doped PEDOT Modified Electrodes. *Electrochimica Acta*, **2016**, 197, 99-106	6.7	8
31	Correlation of impedance and effective electrode area of chondroitin sulphate doped PEDOT modified electrodes. *Synthetic Metals*, **2016**, 222, 338-343	3.6	3
30	Correlation of Impedance and Effective Electrode Area of Dextran Sulfate Doped PEDOT Modified Electrodes. *Journal of the Electrochemical Society*, **2016**, 163, H534-H540	3.9	5
29	Next generation bioelectronics: Advances in fabrication coupled with clever chemistries enable the effective integration of biomaterials and organic conductors. *APL Materials*, **2015**, 3, 014913	5.7	19
28	Functionalised inherently conducting polymers as low biofouling materials. *Biofouling*, **2015**, 31, 493-502	3.3	10
27	Quantifying Molecular-Level Cell Adhesion on Electroactive Conducting Polymers using Electrochemical-Single Cell Force Spectroscopy. *Scientific Reports*, **2015**, 5, 13334	4.9	18
26	Correlation of the impedance and effective electrode area of doped PEDOT modified electrodes for brain-machine interfaces. *Analyst, The*, **2015**, 140, 3164-74	5	19
25	Conductive surfaces with dynamic switching in response to temperature and salt. *Journal of Materials Chemistry B*, **2015**, 3, 9285-9294	7.3	25
24	Influence of biopolymer loading on the physiochemical and electrochemical properties of inherently conducting polymer biomaterials. *Synthetic Metals*, **2015**, 200, 40-47	3.6	8
23	Optical and electrochemical methods for determining the effective area and charge density of conducting polymer modified electrodes for neural stimulation. *Analytical Chemistry*, **2015**, 87, 738-46	7.8	21

22	Synthesis of large and few atomic layers of hexagonal boron nitride on melted copper. *Scientific Reports*, **2015**, 5, 7743	4.9	53
21	Electroactive Anti-microbial Surfaces **2015**, 41-60		
20	Influence of Biodopants on PEDOT Biomaterial Polymers: Using QCM-D to Characterize Polymer Interactions with Proteins and Living Cells. *Advanced Materials Interfaces*, **2014**, 1, 1300122	4.6	42
19	PEGylation of platinum bio-electrodes. *Electrochemistry Communications*, **2013**, 27, 54-58	5.1	12
18	Surface modification of polypyrrole/biopolymer composites for controlled protein and cellular adhesion. *Biofouling*, **2013**, 29, 1155-67	3.3	17
17	Cell attachment and proliferation on high conductivity PEDOT-glycol composites produced by vapour phase polymerisation. *Biomaterials Science*, **2013**, 1, 368-378	7.4	24
16	Incorporating Biodopants into PEDOT Conducting Polymers: Impact of Biodopant on polymer properties and biocompatibility. *Materials Research Society Symposia Proceedings*, **2013**, 1569, 225-230		5
15	Hydrophobic conducting polymer films from post deposition thiol exposure. *Synthetic Metals*, **2012**, 162, 1464-1470	3.6	15
14	Fibronectin and bovine serum albumin adsorption and conformational dynamics on inherently conducting polymers: a QCM-D study. *Langmuir*, **2012**, 28, 8433-45	4	116
13	Organic Conducting Polymer Protein Interactions. *Chemistry of Materials*, **2012**, 24, 828-839	9.6	72
12	Novel whole cell adhesion assays of three isolates of the fouling diatom Amphora coffeaeformis reveal diverse responses to surfaces of different wettability. *Biofouling*, **2012**, 28, 381-93	3.3	26
11	Electrically Induced Disassembly of Electroactive Multilayer Films Fabricated from Water Soluble Polythiophenes. *Advanced Functional Materials*, **2012**, 22, 5020-5027	15.6	17
10	An erodible polythiophene-based composite for biomedical applications. *Journal of Materials Chemistry*, **2011**, 21, 5555		75
9	Bio-functionalisation of polydimethylsiloxane with hyaluronic acid and hyaluronic acid--collagen conjugate for neural interfacing. *Biomaterials*, **2011**, 32, 4714-24	15.6	53
8	Reversible shape memory of nanoscale deformations in inherently conducting polymers without reprogramming. *Journal of Physical Chemistry B*, **2011**, 115, 3371-8	3.4	14
7	Development of the initial diatom microfouling layer on antifouling and fouling-release surfaces in temperate and tropical Australia. *Biofouling*, **2009**, 25, 685-94	3.3	91
6	Development of the primary bacterial microfouling layer on antifouling and fouling release coatings in temperate and tropical environments in Eastern Australia. *Biofouling*, **2009**, 25, 149-62	3.3	63
5	The quartz crystal microbalance: a new tool for the investigation of the bioadhesion of diatoms to surfaces of differing surface energies. *Langmuir*, **2008**, 24, 6730-7	4	36

4	The biology of biofouling diatoms and their role in the development of microbial slimes. *Biofouling*, **2008**, 24, 365-79	3.3	211
3	Utilizing QCM-D to characterize the adhesive mucilage secreted by two marine diatom species in-situ and in real-time. *Biomacromolecules*, **2006**, 7, 3276-82	6.9	34
2	The glucans extracted with warm water from diatoms are mainly derived from intracellular chrysolaminaran and not extracellular polysaccharides. *European Journal of Phycology*, **2004**, 39, 117-128	2.2	93
1	THE STRUCTURE AND NANOMECHANICAL PROPERTIES OF THE ADHESIVE MUCILAGE THAT MEDIATES DIATOM-SUBSTRATUM ADHESION AND MOTILITY1. *Journal of Phycology*, **2003**, 39, 1181-1193	3	98