

Dominik JaÅ„czewski

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

2,602
citations

172207

29
h-index

182168

51
g-index

60
all docs

60
docs citations

60
times ranked

4142
citing authors

#	ARTICLE	IF	CITATIONS
1	Designer polymerâ€“quantum dot architectures. <i>Progress in Polymer Science</i> , 2009, 34, 393-430.	11.8	310
2	â€œClickâ€•Chemistry by Microcontact Printing. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5292-5296.	7.2	186
3	Parallel Control over Surface Charge and Wettability Using Polyelectrolyte Architecture: Effect on Protein Adsorption and Cell Adhesion. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 30552-30563.	4.0	136
4	Surface charge control for zwitterionic polymer brushes: Tailoring surface properties to antifouling applications. <i>Journal of Colloid and Interface Science</i> , 2015, 452, 43-53.	5.0	125
5	Design and Synthesis of Polymer-Functionalized NIR Fluorescent Dyesâ€“Magnetic Nanoparticles for Bioimaging. <i>ACS Nano</i> , 2013, 7, 6796-6805.	7.3	98
6	Enhanced Stability of Low Fouling Zwitterionic Polymer Brushes in Seawater with Diblock Architecture. <i>Langmuir</i> , 2013, 29, 10859-10867.	1.6	97
7	Biomimicking Micropatterned Surfaces and Their Effect on Marine Biofouling. <i>Langmuir</i> , 2014, 30, 9165-9175.	1.6	94
8	Synthesis of functionalized amphiphilic polymers for coating quantum dots. <i>Nature Protocols</i> , 2011, 6, 1546-1553.	5.5	92
9	Cross-Linked Polyelectrolyte Multilayers for Marine Antifouling Applications. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 5961-5968.	4.0	92
10	Polyion Multilayers with Precise Surface Charge Control for Antifouling. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 852-861.	4.0	90
11	Measuring protein isoelectric points by AFM-based force spectroscopy using trace amounts of sample. <i>Nature Nanotechnology</i> , 2016, 11, 817-823.	15.6	89
12	Bimodal magneticâ€“fluorescent probes for bioimaging. <i>Microscopy Research and Technique</i> , 2011, 74, 563-576.	1.2	83
13	Tripodal diglycolamides as highly efficient extractants for f-elements. <i>New Journal of Chemistry</i> , 2008, 32, 490-495.	1.4	76
14	Sulfobetaine-based polymer brushes in marine environment: Is there an effect of the polymerizable group on the antifouling performance?. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 120, 118-124.	2.5	59
15	Stimulus Responsive PNIPAM/QD Hybrid Microspheres by Copolymerization with Surface Engineered QDs. <i>Macromolecules</i> , 2009, 42, 1801-1804.	2.2	57
16	Multilayers of Fluorinated Amphiphilic Polyions for Marine Fouling Prevention. <i>Langmuir</i> , 2014, 30, 288-296.	1.6	50
17	Effect of Variations in Micropatterns and Surface Modulus on Marine Fouling of Engineering Polymers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17508-17516.	4.0	48
18	Electrochemically controlled release of molecular guests from redox responsive polymeric multilayers and devices. <i>European Polymer Journal</i> , 2013, 49, 2477-2484.	2.6	43

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19	Tailoring Polyelectrolyte Architecture To Promote Cell Growth and Inhibit Bacterial Adhesion. ACS Applied Materials & Interfaces, 2018, 10, 7882-7891.	4.0	42
20	CMP(O) tripodands: synthesis, potentiometric studies and extractions. New Journal of Chemistry, 2006, 30, 1480-1492.	1.4	41
21	Organometallic polymeric carriers for redox triggered release of molecular payloads. Journal of Materials Chemistry, 2012, 22, 6429.	6.7	39
22	Efficient and robust coatings using poly(2-methyl-2-oxazoline) and its copolymers for marine and bacterial fouling prevention. Journal of Polymer Science Part A, 2016, 54, 275-283.	2.5	39
23	Introduction of Quantum Dots into PNIPAM microspheres by precipitation polymerization above LCST. European Polymer Journal, 2009, 45, 1912-1917.	2.6	32
24	Redox-controlled release of molecular payloads from multilayered organometallic polyelectrolyte films. Journal of Materials Chemistry B, 2013, 1, 828-834.	2.9	32
25	Barnacle Larvae Exploring Surfaces with Variable Hydrophilicity: Influence of Morphology and Adhesion of "Footprint" Proteins by AFM. ACS Applied Materials & Interfaces, 2014, 6, 13667-13676.	4.0	32
26	Fabrication of Copper Nanowire Films and their Incorporation into Polymer Matrices for Antibacterial and Marine Antifouling Applications. Advanced Materials Interfaces, 2015, 2, 1400483.	1.9	31
27	Designer multi-functional comb-polymers for surface engineering of quantum dots on the nanoscale. European Polymer Journal, 2009, 45, 3-9.	2.6	30
28	Engineered, Robust Polyelectrolyte Multilayers by Precise Control of Surface Potential for Designer Protein, Cell, and Bacteria Adsorption. Langmuir, 2016, 32, 1338-1346.	1.6	29
29	Esters of Tartaric Acid, A New Class of Potential "Double Green" Plasticizers. ACS Sustainable Chemistry and Engineering, 2017, 5, 5999-6007.	3.2	28
30	Covalent assembly of functional inorganic nanoparticles by "click" chemistry in water. Chemical Communications, 2010, 46, 3253.	2.2	26
31	Poly(ferrocenylsilane) electrolytes as a gold nanoparticle foundry: "two-in-one" redox synthesis and electrosteric stabilization, and sensing applications. Nanoscale, 2017, 9, 19255-19262.	2.8	26
32	Tripodal (N-alkylated) CMP(O) and malonamide ligands: synthesis, extraction of metal ions, and potentiometric studies. New Journal of Chemistry, 2007, 31, 109-120.	1.4	24
33	Nanostructured thermoresponsive quantum dot/PNIPAM assemblies. European Polymer Journal, 2010, 46, 1397-1403.	2.6	24
34	Brush Swelling and Attachment Strength of Barnacle Adhesion Protein on Zwitterionic Polymer Films as a Function of Macromolecular Structure. Langmuir, 2019, 35, 8085-8094.	1.6	23
35	Stable pH responsive layer-by-layer assemblies of partially hydrolysed poly(2-ethyl-2-oxazoline) and poly(acrylic acid) for effective prevention of protein, cell and bacteria surface attachment. Colloids and Surfaces B: Biointerfaces, 2018, 161, 269-278.	2.5	21
36	Dominant Albumin "Surface Interactions under Independent Control of Surface Charge and Wettability. Langmuir, 2018, 34, 1953-1966.	1.6	20

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37	Side chain effects in the packing structure and stiffness of redox-responsive ferrocene-containing polymer brushes. <i>European Polymer Journal</i> , 2016, 83, 517-528.	2.6	17
38	Hydrophilic Quaternary Ammonium Ionenes—Is There an Influence of Backbone Flexibility and Topology on Antibacterial Properties?. <i>Macromolecular Bioscience</i> , 2020, 20, e2000063.	2.1	17
39	Disassembly of redox responsive poly(ferrocenylsilane) multilayers: The effect of blocking layers, supporting electrolyte and polyion molar mass. <i>Journal of Colloid and Interface Science</i> , 2013, 405, 256-261.	5.0	16
40	Amphiphilic Polymethyloxazoline—Polyethyleneimine Copolymers: Interaction with Lipid Bilayer and Antibacterial Properties. <i>Macromolecular Bioscience</i> , 2019, 19, e1900254.	2.1	15
41	Fabrication and responsive behaviour of Quantum Dot/PNIPAM micropatterns obtained by template copolymerization in water. <i>Journal of Materials Chemistry</i> , 2011, 21, 6487.	6.7	13
42	Imprinting of metal receptors into multilayer polyelectrolyte films: fabrication and applications in marine antifouling. <i>Chemical Science</i> , 2015, 6, 372-383.	3.7	13
43	Optimisation of Ethyl(2-phthalimidoethoxy)acetate Synthesis with the Aid of DOE. <i>Organic Process Research and Development</i> , 2005, 9, 18-22.	1.3	12
44	Influence of lipid bilayer composition on the activity of antimicrobial quaternary ammonium ionenes, the interplay of intrinsic lipid curvature and polymer hydrophobicity, the role of cardiolipin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 207, 112016.	2.5	12
45	Colloidal, water soluble probes constructed with quantum dots and amphiphilic poly(ferrocenylsilane) for smart redox sensing. <i>European Polymer Journal</i> , 2014, 54, 87-94.	2.6	11
46	Tuning charge transport across junctions of ferrocene-containing polymer brushes on ITO by controlling the brush thickness and the tether lengths. <i>European Polymer Journal</i> , 2017, 97, 282-291.	2.6	11
47	Redox responsive nanotubes from organometallic polymers by template assisted layer by layer fabrication. <i>Nanoscale</i> , 2013, 5, 11692.	2.8	10
48	Influence of the length and grafting density of PNIPAM chains on the colloidal and optical properties of quantum dot/PNIPAM assemblies. <i>Nanotechnology</i> , 2011, 22, 265701.	1.3	9
49	Deposition of zwitterionic polymer brushes in a dense gas medium. <i>Journal of Colloid and Interface Science</i> , 2015, 448, 156-162.	5.0	8
50	Enabling Biomedical Research with Designer Quantum Dots. <i>Methods in Molecular Biology</i> , 2012, 811, 245-265.	0.4	7
51	Unusual enhancement of degradation rate induced by polymer chain elongation in quaternized polyethyleneimine derivatives. <i>Reactive and Functional Polymers</i> , 2019, 137, 96-103.	2.0	6
52	Novel types of tripodal CMPO ligands: synthesis and extraction. <i>Radiochimica Acta</i> , 2008, 96, .	0.5	5
53	Influence of PEG Subunit on the Biological Activity of Ionenes: Synthesis of Novel Polycations, Antimicrobial and Toxicity Studies. <i>Macromolecular Bioscience</i> , 2022, , 2200094.	2.1	4
54	Regulation of Lipid Bilayer Ion Permeability by Antibacterial Polymethyloxazoline—Polyethyleneimine Copolymers. <i>ChemBioChem</i> , 2021, 22, 1020-1029.	1.3	3

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55	Controlled post-polymerization modification through modulation of repeating unit reactivity: Proof of concept discussed using linear polyethylenimine example. <i>Polymer</i> , 2021, 217, 123452.	1.8	3
56	Rapid Access to Tricyclic Ring System Containing Isoindolone by Novel Diastereoselective Intramolecular Aldol-Type Cyclization of N-Substituted Phthalimides. <i>Synlett</i> , 2008, 2008, 3198-3202.	1.0	1
57	Transesterification of $\hat{1}$ -Substituted Esters Mediated by Potassium Carbonate. <i>Synlett</i> , 2003, 2003, 0420-0422.	1.0	0
58	Synthesis and characterization of fluorescent dyes-magnetic nanoparticles for bioimaging applications. <i>Proceedings of SPIE</i> , 2012, , .	0.8	0