

Justyn Jaworski

List of Publications by Year in descending order

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54
papers

1,393
citations

394421

19
h-index

330143

37
g-index

58
all docs

58
docs citations

58
times ranked

2444
citing authors

#	ARTICLE	IF	CITATIONS
1	Polydiacetylenes: supramolecular smart materials with a structural hierarchy for sensing, imaging and display applications. <i>Chemical Communications</i> , 2012, 48, 2469.	4.1	209
2	Selective and Sensitive TNT Sensors Using Biomimetic Polydiacetylene-Coated CNT-FETs. <i>ACS Nano</i> , 2011, 5, 2824-2830.	14.6	143
3	Chiral Arrangement of Achiral Au Nanoparticles by Supramolecular Assembly of Helical Nanofiber Templates. <i>Journal of the American Chemical Society</i> , 2014, 136, 6446-6452.	13.7	139
4	Supramolecular gels with high strength by tuning of calix[4]arene-derived networks. <i>Nature Communications</i> , 2015, 6, 6650.	12.8	80
5	Polymer-Oligopeptide Composite Coating for Selective Detection of Explosives in Water. <i>Analytical Chemistry</i> , 2009, 81, 4192-4199.	6.5	77
6	Polydiacetylene Incorporated with Peptide Receptors for the Detection of Trinitrotoluene Explosives. <i>Langmuir</i> , 2011, 27, 3180-3187.	3.5	74
7	Controlled Supramolecular Assembly of Helical Silica Nanotube-Graphene Hybrids for Chiral Transcription and Separation. <i>ACS Nano</i> , 2013, 7, 2595-2601.	14.6	55
8	Fluorescent Composite Hydrogels of Metal-Organic Frameworks and Functionalized Graphene Oxide. <i>Chemistry - A European Journal</i> , 2012, 18, 765-769.	3.3	45
9	Instant Visual Detection of Picogram Levels of Trinitrotoluene by Using Luminescent Metal-Organic Framework Gel-Coated Filter Paper. <i>Chemistry - A European Journal</i> , 2013, 19, 16665-16671.	3.3	43
10	Self-Assembled Tb ³⁺ Complex Probe for Quantitative Analysis of ATP during Its Enzymatic Hydrolysis via Time-Resolved Luminescence in Vitro and in Vivo. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 722-729.	8.0	38
11	Controlled release using mesoporous silica nanoparticles functionalized with 18-crown-6 derivative. <i>Journal of Materials Chemistry</i> , 2011, 21, 7882.	6.7	35
12	A BODIPY-functionalized bimetallic probe for sensitive and selective color-fluorometric chemosensing of Hg ²⁺ . <i>Analyst</i> , 2012, 137, 3914.	3.5	32
13	Fluorescence enhancement of a tetrazole-based pyridine coordination polymer hydrogel. <i>New Journal of Chemistry</i> , 2011, 35, 1054.	2.8	31
14	Ultraviolet Patterned Calixarene-Derived Supramolecular Gels and Films with Spatially Resolved Mechanical and Fluorescent Properties. <i>ACS Nano</i> , 2017, 11, 4155-4164.	14.6	27
15	Controlled drug delivery from mesoporous silica using a pH-response release system. <i>New Journal of Chemistry</i> , 2012, 36, 1616.	2.8	25
16	Progression in the Fountain Pen Approach: From 2D Writing to 3D Free-Form Micro/Nanofabrication. <i>Small</i> , 2017, 13, 1600137.	10.0	24
17	Fibroblast remodeling activity at two- and three-dimensional collagen-glycosaminoglycan interfaces. <i>Biomaterials</i> , 2006, 27, 4212-4220.	11.4	22
18	The influence of ultrasound on porphyrin-based metallogel formation: efficient control of H- and J-type aggregations. <i>New Journal of Chemistry</i> , 2012, 36, 32-35.	2.8	20

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19	Mesoporous silica nanoparticles functionalized with a thymidine derivative for controlled release. <i>Journal of Materials Chemistry</i> , 2012, 22, 9455.	6.7	19
20	Reinforcement of a Sugar-Based Bolaamphiphile/Functionalized Graphene Oxide Composite Gel: Rheological and Electrochemical Properties. <i>Langmuir</i> , 2013, 29, 13535-13541.	3.5	18
21	Determining Chiral Configuration of Diamines via Contact Angle Measurements on Enantioselective Alanine-Appended Benzene-Tricarboxamide Gelators. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 14102-14108.	8.0	18
22	Size-dependent intercalation of alkylamines within polydiacetylene supramolecules. <i>Supramolecular Chemistry</i> , 2013, 25, 54-59.	1.2	15
23	A portable and chromogenic enzyme-based sensor for detection of abrin poisoning. <i>Biosensors and Bioelectronics</i> , 2014, 54, 667-673.	10.1	15
24	Microfabrication of Custom Collagen Structures Capable of Guiding Cell Morphology and Alignment. <i>Biomacromolecules</i> , 2015, 16, 1761-1770.	5.4	15
25	Controlled surface immobilization of viruses via site-specific enzymatic modification. <i>Journal of Materials Chemistry B</i> , 2013, 1, 3486.	5.8	14
26	Enzyme directed formation of un-natural side-chains for covalent surface attachment of proteins. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 122, 846-850.	5.0	14
27	Magnetically Responsive Inorganic/Polydiacetylene Nanohybrids. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 893-903.	2.2	13
28	Luminescent Probe Based Techniques for Hypoxia Imaging. <i>Journal of Nanomedicine Research</i> , 2017, 6, .	1.8	13
29	Responsive 3D Microstructures from Virus Building Blocks. <i>Advanced Materials</i> , 2014, 26, 5217-5222.	21.0	12
30	Chirality control of self-assembled achiral nanofibers using amines in their solid state. <i>Nanoscale</i> , 2015, 7, 15238-15244.	5.6	12
31	Promotion of strongly anchored dyes on the surface of titania by tetraethyl orthosilicate treatment for enhanced solar cell performance. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2250-2255.	10.3	11
32	Controlling and Assessing the Surface Display of Cell-Binding Domains on Magnetite Conjugated Fluorescent Liposomes. <i>Langmuir</i> , 2013, 29, 7949-7956.	3.5	10
33	NMR detection of chirality and enantiopurity of amines by using benzene tricarboxamide-based hydrogelators as chiral solvating agents. <i>New Journal of Chemistry</i> , 2016, 40, 7917-7922.	2.8	10
34	Fluorometric Measurement of Individual Stomata Activity and Transpiration via a "Brush-on" Water-Responsive Polymer. <i>Scientific Reports</i> , 2016, 6, 32394.	3.3	8
35	Pyrene-imidazolium complexed graphene for the selective fluorescent detection of G-quadruplex forming DNA. <i>Chemical Communications</i> , 2013, 49, 11698.	4.1	7
36	Virus-based surface patterning of biological molecules, probes, and inorganic materials. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 122, 851-856.	5.0	6

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37	Silica formation with nanofiber morphology via helical display of the silaffin R5 peptide on a filamentous bacteriophage. <i>Scientific Reports</i> , 2017, 7, 16212.	3.3	6
38	Assessing the stability of assembled filamentous phage coat protein P8. <i>Supramolecular Chemistry</i> , 2014, 26, 329-337.	1.2	5
39	A Peptide-Lectin Fusion Strategy for Developing a Glycan Probe for Use in Various Assay Formats. <i>Chemosensors</i> , 2019, 7, 55.	3.6	5
40	IR-783 Labeling of a Peptide Receptor for Turn-On™ Fluorescence Based Sensing. <i>Chemosensors</i> , 2018, 6, 47.	3.6	4
41	Tuning the Surface Charge of Self-Assembled Polydiacetylene Vesicles to Control Aggregation and Cell Binding. <i>Biosensors</i> , 2020, 10, 132.	4.7	4
42	Modifying Polydiacetylene Vesicle Compositions to Reduce Non-Specific Interactions. <i>Macromolecular Research</i> , 2021, 29, 449-452.	2.4	3
43	Investigating the Characteristics and Responses of Diacetylene Based Materials as Spray-On Colorimetric Sensors. <i>Macromolecular Research</i> , 2022, 30, 1.	2.4	3
44	Amphiphilic coatings on cobalt boride nanocatalysts for stability in hydrogen generation applications. <i>Macromolecular Research</i> , 2015, 23, 223-226.	2.4	2
45	Phage based screening strategy for identifying enzyme substrates. <i>Biochemical Engineering Journal</i> , 2016, 105, 446-454.	3.6	2
46	Virus-based assay for antigen detection using infective growth as signal transduction mechanism. <i>Biosensors and Bioelectronics</i> , 2016, 77, 131-136.	10.1	2
47	Notch Intracellular Domain Plasmid Delivery via Poly(Lactic-Co-Glycolic Acid) Nanoparticles to Upregulate Notch Pathway Molecules. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 707897.	2.4	2
48	Self-Assembled Peptide-Labeled Probes for Agglutination-Based Sensing. <i>Macromolecular Research</i> , 2021, 29, 577-581.	2.4	2
49	Engineering a reporter cell line to mimic the high oligomannose presenting surface immunoglobulin of follicular lymphoma B cells. <i>Scientific Reports</i> , 2021, 11, 87.	3.3	1
50	Cobalt and Magnetite Functionalized Virus Nanofibers for Hydrogen Generation. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 2116-2123.	0.9	1
51	Peptide Linked Diacetylene Amphiphiles for Detection of Epitope Specific Antibodies. <i>Chemosensors</i> , 2022, 10, 62.	3.6	1
52	Introduction of Plasmid to the Murine Gut via Consumption of an Escherichia coli Carrier and Examining the Impact of Bacterial Dosing and Antibiotics on Persistence. <i>Regenerative Engineering and Translational Medicine</i> , 2022, 8, 489-497.	2.9	1
53	Development and characterization of polyethylenimine nanocarriers processed by an inductive thermospraying technique. <i>Macromolecular Research</i> , 2016, 24, 522-528.	2.4	0
54	Bio-inspired Electronic Nose. , 2020, , 333-362.		0