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List of Publications by Year in descending order

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51
papers

3,176
citations

212478

28
h-index

223390

49
g-index

55
all docs

55
docs citations

55
times ranked

5562
citing authors

#	ARTICLE	IF	CITATIONS
1	Constant pH Coarse-Grained Molecular Dynamics with Stochastic Charge Neutralization. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 4046-4051.	2.1	8
2	Binding enhancements of antibody functionalized natural and synthetic fibers. <i>RSC Advances</i> , 2021, 11, 30353-30360.	1.7	0
3	Interfacial Assembly Inspired by Marine Mussels and Antifouling Effects of Polypeptoids: A Neutron Reflection Study. <i>Langmuir</i> , 2020, 36, 12309-12318.	1.6	9
4	Chain-End Modifications and Sequence Arrangements of Antimicrobial Peptoids for Mediating Activity and Nano-Assembly. <i>Frontiers in Chemistry</i> , 2020, 8, 416.	1.8	17
5	Self-Assembly of Minimal Peptoid Sequences. <i>ACS Macro Letters</i> , 2020, 9, 494-499.	2.3	21
6	Nanoporous thin films in optical waveguide spectroscopy for chemical analytics. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 3299-3315.	1.9	9
7	Surface Design for Immobilization of an Antimicrobial Peptide Mimic for Efficient Anti-Biofouling. <i>Chemistry - A European Journal</i> , 2020, 26, 5789-5793.	1.7	25
8	Antifouling Peptoid Biointerfaces. , 2020, , 55-73.		5
9	A Sequential Process for Manufacturing Nature-Inspired Anisotropic Superhydrophobic Structures on AISI 316L Stainless Steel. <i>Nanomanufacturing and Metrology</i> , 2019, 2, 148-159.	1.5	15
10	Crystallization and lamellar nanosheet formation of an aromatic dipeptoid. <i>Chemical Communications</i> , 2019, 55, 5867-5869.	2.2	17
11	Atomistic Study of Zwitterionic Peptoid Antifouling Brushes. <i>Langmuir</i> , 2019, 35, 1483-1494.	1.6	32
12	Biocatalytic Self-Assembly on Magnetic Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 3069-3075.	4.0	44
13	Superhydrophobic structures on 316L stainless steel surfaces machined by nanosecond pulsed laser. <i>Precision Engineering</i> , 2018, 52, 266-275.	1.8	95
14	Highly Active Protein Surfaces Enabled by Plant-Based Polyphenol Coatings. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39353-39362.	4.0	21
15	Peptoid self-assembly and opportunities for creating protein-mimetic biomaterials and biointerfaces. , 2018, , 95-112.		4
16	Biocatalytic Self-Assembly Using Reversible and Irreversible Enzyme Immobilization. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 3266-3271.	4.0	40
17	Self-assembly of ultra-small micelles from amphiphilic lipopeptoids. <i>Chemical Communications</i> , 2017, 53, 2178-2181.	2.2	33
18	Size Control and Fluorescence Labeling of Polydopamine Melanin-Mimetic Nanoparticles for Intracellular Imaging. <i>Biomimetics</i> , 2017, 2, 17.	1.5	33

#	ARTICLE	IF	CITATIONS
19	Layer-by-layer self-assembly of bisdendrons: An unprecedented route to multilayer thin films. <i>Macromolecular Research</i> , 2016, 24, 851-855.	1.0	5
20	Molecular Design of Antifouling Polymer Brushes Using Sequence-Specific Peptoids. <i>Advanced Materials Interfaces</i> , 2015, 2, 1400225.	1.9	77
21	Peptoids for biomaterials science. <i>Biomaterials Science</i> , 2014, 2, 627-633.	2.6	70
22	New Antifouling Platform Characterized by Single-Molecule Imaging. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 3553-3558.	4.0	21
23	Colorless Multifunctional Coatings Inspired by Polyphenols Found in Tea, Chocolate, and Wine. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10766-10770.	7.2	713
24	A simple and efficient strategy for the sensitivity enhancement of DNA hybridization based on the coupling between propagating and localized surface plasmons. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 1074-1080.	4.0	4
25	Surface-Grafted Polysarcosine as a Peptoid Antifouling Polymer Brush. <i>Langmuir</i> , 2012, 28, 16099-16107.	1.6	146
26	An Experimental/Theoretical Analysis of Protein Adsorption on Peptidomimetic Polymer Brushes. <i>Langmuir</i> , 2012, 28, 2288-2298.	1.6	66
27	Macromolecular shape and interactions in layer-by-layer assemblies within cylindrical nanopores. <i>Beilstein Journal of Nanotechnology</i> , 2012, 3, 475-484.	1.5	14
28	Mussel-inspired silver-releasing antibacterial hydrogels. <i>Biomaterials</i> , 2012, 33, 3783-3791.	5.7	219
29	Layer-by-layer assemblies in nanoporous templates: nano-organized design and applications of soft nanotechnology. <i>Soft Matter</i> , 2011, 7, 8709.	1.2	77
30	Nanostructuring Polymeric Materials by Templating Strategies. <i>Small</i> , 2011, 7, 1384-1391.	5.2	20
31	Facile DNA Immobilization on Surfaces through a Catecholamine Polymer. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 732-736.	7.2	176
32	Mounted Nanoporous Anodic Alumina Thin Films as Planar Optical Waveguides. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 4293-4299.	0.9	20
33	Polyelectrolyte Layer-by-Layer Deposition in Cylindrical Nanopores. <i>ACS Nano</i> , 2010, 4, 3909-3920.	7.3	74
34	Wet Performance of Biomimetic Fibrillar Adhesives. , 2010, , 285-294.		3
35	In situ Characterization of <i>N</i> -Carboxy Anhydride Polymerization in Nanoporous Anodic Alumina. <i>Journal of Physical Chemistry B</i> , 2009, 113, 3179-3189.	1.2	43
36	The Effect of Fluid Flow on Selective Protein Adsorption on Polystyrene-block-Poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (1.6	16

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37	Modulation of Protein-Surface Interactions on Nanopatterned Polymer Films. <i>Biomacromolecules</i> , 2009, 10, 1061-1066.	2.6	33
38	Self-Assembly of Protein Nanoarrays on Block Copolymer Templates. <i>Advanced Functional Materials</i> , 2008, 18, 3148-3157.	7.8	58
39	Biopolymers for Biosensors: Polypeptide Nanotubes for Optical Biosensing. <i>ACS Symposium Series</i> , 2008, , 371-390.	0.5	4
40	Enhancement of Surface Plasmon Resonance Signals by Gold Nanoparticles on High-Density DNA Microarrays. <i>Journal of Physical Chemistry C</i> , 2007, 111, 11653-11662.	1.5	53
41	Theoretical optical waveguide investigation of self-organized polymer thin film nanostructures with nanoparticle incorporation. <i>Macromolecular Research</i> , 2007, 15, 211-215.	1.0	8
42	Flexible phenylalanine-glycine nucleoporins as entropic barriers to nucleocytoplasmic transport. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 9512-9517.	3.3	240
43	An Optical Waveguide Study on the Nanopore Formation in Block Copolymer/Homopolymer Thin Films by Selective Solvent Swelling. <i>Journal of Physical Chemistry B</i> , 2006, 110, 15381-15388.	1.2	35
44	Direct Adsorption and Monolayer Self-Assembly of Acetyl-Protected Dithiols. <i>Langmuir</i> , 2006, 22, 2968-2971.	1.6	43
45	Effect of end groups on contact resistance of alkanethiol based metal-molecule-metal junctions using current sensing AFM. <i>Applied Surface Science</i> , 2006, 252, 3956-3960.	3.1	9
46	Thin Films of Block Copolymers as Planar Optical Waveguides. <i>Advanced Materials</i> , 2005, 17, 2442-2446.	11.1	43
47	NANOPATTERNED CROSSBAR STRUCTURES FOR MOLECULAR ELECTRONICS. <i>International Journal of Nanoscience</i> , 2005, 04, 461-465.	0.4	0
48	High-Density Arrays of Titania Nanoparticles Using Monolayer Micellar Films of Diblock Copolymers as Templates. <i>Langmuir</i> , 2005, 21, 5212-5217.	1.6	72
49	Highly Sensitive Detection of Processes Occurring Inside Nanoporous Anodic Alumina Templates: A Waveguide Optical Study. <i>Journal of Physical Chemistry B</i> , 2004, 108, 10812-10818.	1.2	123
50	Intrinsic stress, island coalescence, and surface roughness during the growth of polycrystalline films. <i>Journal of Applied Physics</i> , 2001, 90, 5097-5103.	1.1	100
51	Lateral oxidation kinetics of AlAsSb and related alloys lattice matched to InP. <i>Journal of Applied Physics</i> , 2001, 89, 2458-2464.	1.1	11