

Jennifer S Martinez

List of Publications by Year in descending order

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49
papers

3,624
citations

172457

29
h-index

214800

47
g-index

49
all docs

49
docs citations

49
times ranked

3856
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-Sharp Nanowire Arrays Natively Permeate, Record, and Stimulate Intracellular Activity in Neuronal and Cardiac Networks. <i>Advanced Functional Materials</i> , 2022, 32, 2108378.	14.9	21
2	Controlled and Selective Photo-oxidation of Amyloid- β^2 Fibrils by Oligomeric <i>p</i> -Phenylene Ethynylenes. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 14871-14886.	8.0	9
3	Conformational control via sequence for a heteropeptoid in water: coupled NMR and Rosetta modelling. <i>Chemical Communications</i> , 2021, 57, 9922-9925.	4.1	1
4	Formulation of stabilizer-free, nontoxic PLGA and elastin-PLGA nanoparticle delivery systems. <i>International Journal of Pharmaceutics</i> , 2021, 597, 120340.	5.2	16
5	Synthesis of Terpyridine-Terminated Amphiphilic Block Copolymers and Their Self-Assembly into Metallo-Polymer Nanovesicles. <i>Materials</i> , 2019, 12, 601.	2.9	5
6	DNA Templated Metal Nanoclusters: From Emergent Properties to Unique Applications. <i>Accounts of Chemical Research</i> , 2018, 51, 2756-2763.	15.6	139
7	A metallo-biopolymer conjugate of elastin-like polypeptide: photoluminescence enhancement in the coacervate microenvironment. <i>Journal of Biological Inorganic Chemistry</i> , 2018, 23, 1153-1157.	2.6	3
8	Conjugation of Amphiphilic Proteins to Hydrophobic Ligands in Organic Solvent. <i>Bioconjugate Chemistry</i> , 2018, 29, 2654-2664.	3.6	7
9	Genetically Engineered Elastomeric Polymer Network through Protein Zipper Assembly. <i>ChemistrySelect</i> , 2017, 2, 5008-5012.	1.5	1
10	Gold nanocluster formation using morpholino oligomer as template and assembly agent within hybrid bio-nanomaterials. <i>RSC Advances</i> , 2016, 6, 90624-90630.	3.6	4
11	Super-resolution optical microscopy study of telomere structure. <i>Journal of Biomedical Optics</i> , 2016, 21, 094003.	2.6	1
12	Stimuli-Responsive Genetically Engineered Polymer Hydrogel Demonstrates Emergent Optical Responses. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 1135-1142.	5.2	4
13	Beyond Helper Phage: Using "Helper Cells" to Select Peptide Affinity Ligands. <i>PLoS ONE</i> , 2016, 11, e0160940.	2.5	6
14	DNA-assisted photoinduced charge transfer between a cationic poly(phenylene vinylene) and a cationic fullerene. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 15675-15678.	2.8	4
15	Multicolor Luminescence from Conjugates of Genetically Encoded Elastin-like Polymers and Terpyridine-Lanthanides. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 1856-1861.	2.2	9
16	A Hybrid DNA-Templated Gold Nanocluster For Enhanced Enzymatic Reduction of Oxygen. <i>Journal of the American Chemical Society</i> , 2015, 137, 11678-11687.	13.7	128
17	Tyrosine-derived stimuli responsive, fluorescent amino acids. <i>Chemical Science</i> , 2015, 6, 1150-1158.	7.4	35
18	Temperature-dependent morphology of hybrid nanoflowers from elastin-like polypeptides. <i>APL Materials</i> , 2014, 2, .	5.1	41

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19	Metallo-Biopolymers: Conjugation Strategies and Applications. <i>Polymer Reviews</i> , 2014, 54, 627-676.	10.9	11
20	Polythiophenes in Biological Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 250-272.	0.9	33
21	Tailored Electronic Structure and Optical Properties of Conjugated Systems through Aggregates and Dipole-Dipole Interactions. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 4685-4695.	8.0	38
22	Stimuli-Responsive Poly-N-isopropylacrylamide: Phenylene Vinylene Oligomer Conjugate. <i>Journal of Physical Chemistry C</i> , 2013, 117, 7757-7763.	3.1	6
23	A Fluorescence Light-Up Ag Nanocluster Probe That Discriminates Single-Nucleotide Variants by Emission Color. <i>Journal of the American Chemical Society</i> , 2012, 134, 11550-11558.	13.7	238
24	A DNA-templated fluorescent silver nanocluster with enhanced stability. <i>Nanoscale</i> , 2012, 4, 4107.	5.6	160
25	Bright two-photon emission and ultra-fast relaxation dynamics in a DNA-templated nanocluster investigated by ultra-fast spectroscopy. <i>Nanoscale</i> , 2012, 4, 4247.	5.6	67
26	Ag K-Edge EXAFS Analysis of DNA-Templated Fluorescent Silver Nanoclusters: Insight into the Structural Origins of Emission Tuning by DNA Sequence Variations. <i>Journal of the American Chemical Society</i> , 2011, 133, 11837-11839.	13.7	78
27	Silver nanocluster aptamers: in situ generation of intrinsically fluorescent recognition ligands for protein detection. <i>Chemical Communications</i> , 2011, 47, 2294-2296.	4.1	240
28	Nanocluster Beacon (NCB): A DNA-Silver Nanocluster Probe that Fluoresces upon Hybridization. <i>Biophysical Journal</i> , 2011, 100, 484a-485a.	0.5	3
29	Non-thermal effects of terahertz radiation on gene expression in mouse stem cells. <i>Biomedical Optics Express</i> , 2011, 2, 2679.	2.9	73
30	A Beacon of Light. <i>IEEE Nanotechnology Magazine</i> , 2011, 5, 28-33.	1.3	23
31	Tailored Microcrystal Growth: A Facile Solution-Phase Synthesis of Gold Rings. <i>Advanced Materials</i> , 2011, 23, 4431-4434.	21.0	12
32	Mammalian Stem Cells Reprogramming in Response to Terahertz Radiation. <i>PLoS ONE</i> , 2010, 5, e15806.	2.5	109
33	A DNA-Silver Nanocluster Probe That Fluoresces upon Hybridization. <i>Nano Letters</i> , 2010, 10, 3106-3110.	9.1	600
34	Quantitative Multiplex Detection of Pathogen Biomarkers on Multichannel Waveguides. <i>Analytical Chemistry</i> , 2010, 82, 136-144.	6.5	48
35	Formation and Stabilization of Fluorescent Gold Nanoclusters Using Small Molecules. <i>Journal of Physical Chemistry C</i> , 2010, 114, 15879-15882.	3.1	88
36	A complementary palette of fluorescent silver nanoclusters. <i>Chemical Communications</i> , 2010, 46, 3280.	4.1	272

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37	Planar optical waveguide-based biosensor for the quantitative detection of tumor markers. <i>Sensors and Actuators B: Chemical</i> , 2009, 138, 453-460.	7.8	56
38	Waveguide-Based Biosensors for Pathogen Detection. <i>Sensors</i> , 2009, 9, 5783-5809.	3.8	164
39	Functional PEG-Modified Thin Films for Biological Detection. <i>Langmuir</i> , 2008, 24, 2240-2247.	3.5	88
40	Nanoparticle-Free Synthesis of Fluorescent Gold Nanoclusters at Physiological Temperature. <i>Journal of Physical Chemistry C</i> , 2007, 111, 12194-12198.	3.1	152
41	Marine amphiphilic siderophores: Marinobactin structure, uptake, and microbial partitioning. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 1692-1698.	3.5	54
42	Selection and characterization of scFv antibodies against the Sin Nombre hantavirus nucleocapsid protein. <i>Journal of Immunological Methods</i> , 2007, 321, 60-69.	1.4	30
43	Antibody binding loop insertions as diversity elements. <i>Nucleic Acids Research</i> , 2006, 34, e132-e132.	14.5	37
44	Pathogen detection using single mode planar optical waveguides. <i>Journal of Materials Chemistry</i> , 2005, 15, 4639.	6.7	42
45	Micelle-to-Vesicle Transition of an Iron-Chelating Microbial Surfactant, Marinobactin E. <i>Langmuir</i> , 2005, 21, 12109-12114.	3.5	42
46	Structure and membrane affinity of a suite of amphiphilic siderophores produced by a marine bacterium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 3754-3759.	7.1	175
47	Membrane Affinity of the Amphiphilic Marinobactin Siderophores. <i>Journal of the American Chemical Society</i> , 2002, 124, 13408-13415.	13.7	70
48	On the Regiospecificity of Vanadium Bromoperoxidase. <i>Journal of the American Chemical Society</i> , 2001, 123, 3289-3294.	13.7	104
49	Differential Targeting of Nicotinic Acetylcholine Receptors by Novel $\hat{\pm}$ A-Conotoxins. <i>Journal of Biological Chemistry</i> , 1997, 272, 22531-22537.	3.4	77