Jennifer S Martinez

List of Publications by Year
in descending order

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	A DNAâˆ'Silver Nanocluster Probe That Fluoresces upon Hybridization. Nano Letters, 2010, 10, 3106-3110.	9.1	600
2	A complementary palette of fluorescent silver nanoclusters. Chemical Communications, 2010, 46, 3280.	4.1	272
3	Silver nanocluster aptamers: in situ generation of intrinsically fluorescent recognition ligands for protein detection. Chemical Communications, 2011, 47, 2294-2296.	4.1	240
4	A Fluorescence Light-Up Ag Nanocluster Probe That Discriminates Single-Nucleotide Variants by Emission Color. Journal of the American Chemical Society, 2012, 134, 11550-11558.	13.7	238
5	Structure and membrane affinity of a suite of amphiphilic siderophores produced by a marine bacterium. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 3754-3759.	7.1	175
6	Waveguide-Based Biosensors for Pathogen Detection. Sensors, 2009, 9, 5783-5809.	3.8	164
7	A DNA-templated fluorescent silver nanocluster with enhanced stability. Nanoscale, 2012, 4, 4107.	5.6	160
8	Nanoparticle-Free Synthesis of Fluorescent Gold Nanoclusters at Physiological Temperature. Journal of Physical Chemistry C, 2007, 111, 12194-12198.	3.1	152
9	DNA Templated Metal Nanoclusters: From Emergent Properties to Unique Applications. Accounts of Chemical Research, 2018, 51, 2756-2763.	15.6	139
10	A Hybrid DNA-Templated Gold Nanocluster For Enhanced Enzymatic Reduction of Oxygen. Journal of the American Chemical Society, 2015, 137, 11678-11687.	13.7	128
11	Mammalian Stem Cells Reprogramming in Response to Terahertz Radiation. PLoS ONE, 2010, 5, e15806.	2.5	109
12	On the Regiospecificity of Vanadium Bromoperoxidase. Journal of the American Chemical Society, 2001, 123, 3289-3294.	13.7	104
13	Functional PEG-Modified Thin Films for Biological Detection. Langmuir, 2008, 24, 2240-2247.	3.5	88
14	Formation and Stabilization of Fluorescent Gold Nanoclusters Using Small Molecules. Journal of Physical Chemistry C, 2010, 114, 15879-15882.	3.1	88
15	Ag K-Edge EXAFS Analysis of DNA-Templated Fluorescent Silver Nanoclusters: Insight into the Structural Origins of Emission Tuning by DNA Sequence Variations. Journal of the American Chemical Society, 2011, 133, 11837-11839.	13.7	78
16	Differential Targeting of Nicotinic Acetylcholine Receptors by Novel Î±A-Conotoxins. Journal of Biological Chemistry, 1997, 272, 22531-22537.	3.4	77
17	Non-thermal effects of terahertz radiation on gene expression in mouse stem cells. Biomedical Optics Express, 2011, 2, 2679.	2.9	73
18	Membrane Affinity of the Amphiphilic Marinobactin Siderophores. Journal of the American Chemical Society, 2002, 124, 13408-13415.	13.7	70

#	Article	IF	Citations
19	Bright two-photon emission and ultra-fast relaxation dynamics in a DNA-templated nanocluster investigated by ultra-fast spectroscopy. Nanoscale, 2012, 4, 4247.	5.6	67
20	Planar optical waveguide-based biosensor for the quantitative detection of tumor markers. Sensors and Actuators B: Chemical, 2009, 138, 453-460.	7.8	56
21	Marine amphiphilic siderophores: Marinobactin structure, uptake, and microbial partitioning. Journal of Inorganic Biochemistry, 2007, 101, 1692-1698.	3.5	54
22	Quantitative Multiplex Detection of Pathogen Biomarkers on Multichannel Waveguides. Analytical Chemistry, 2010, 82, 136-144.	6.5	48
23	Pathogen detection using single mode planar optical waveguides. Journal of Materials Chemistry, 2005, 15, 4639.	6.7	42
24	Micelle-to-Vesicle Transition of an Iron-Chelating Microbial Surfactant, Marinobactin E. Langmuir, 2005, 21, 12109-12114.	3.5	42
25	Temperature-dependent morphology of hybrid nanoflowers from elastin-like polypeptides. APL Materials, 2014, 2, .	5.1	41
26	Tailored Electronic Structure and Optical Properties of Conjugated Systems through Aggregates and Dipoleâ€“Dipole Interactions. ACS Applied Materials & Interfaces, 2013, 5, 4685-4695.	8.0	38
27	Antibody binding loop insertions as diversity elements. Nucleic Acids Research, 2006, 34, e132-e132.	14.5	37
28	Tyrosine-derived stimuli responsive, fluorescent amino acids. Chemical Science, 2015, 6, 1150-1158.	7.4	35
29	Polythiophenes in Biological Applications. Journal of Nanoscience and Nanotechnology, 2014, 14, 250-272.	0.9	33
30	Selection and characterization of scFv antibodies against the Sin Nombre hantavirus nucleocapsid protein. Journal of Immunological Methods, 2007, 321, 60-69.	1.4	30
31	A Beacon of Light. IEEE Nanotechnology Magazine, 2011, 5, 28-33.	1.3	23
32	Ultraâ€Sharp Nanowire Arrays Natively Permeate, Record, and Stimulate Intracellular Activity in Neuronal and Cardiac Networks. Advanced Functional Materials, 2022, 32, 2108378.	14.9	21
33	Formulation of stabilizer-free, nontoxic PLGA and elastin-PLGA nanoparticle delivery systems. International Journal of Pharmaceutics, 2021, 597, 120340.	5.2	16
34	Tailored Microcrystal Growth: A Facile Solutionâ€Phase Synthesis of Gold Rings. Advanced Materials, 2011, 23, 4431-4434.	21.0	12
35	Metallo-Biopolymers: Conjugation Strategies and Applications. Polymer Reviews, 2014, 54, 627-676.	10.9	11
36	Multicolor Luminescence from Conjugates of Genetically Encoded Elastin-like Polymers and Terpyridine-Lanthanides. Macromolecular Chemistry and Physics, 2015, 216, 1856-1861.	2.2	9

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37	Controlled and Selective Photo-oxidation of Amyloid-Î² Fibrils by Oligomeric p-Phenylene Ethynylenes. ACS Applied Materials & Interfaces, 2022, 14, 14871-14886.	8.0	9
38	Conjugation of Amphiphilic Proteins to Hydrophobic Ligands in Organic Solvent. Bioconjugate Chemistry, 2018, 29, 2654-2664.	3.6	7
39	Stimuli-Responsive Poly-N-isopropylacrylamide: Phenylene Vinylene Oligomer Conjugate. Journal of Physical Chemistry C, 2013, 117, 7757-7763.	3.1	6
40	Beyond Helper Phage: Using "Helper Cells" to Select Peptide Affinity Ligands. PLoS ONE, 2016, 11, e0160940.	2.5	6
41	Synthesis of Terpyridine-Terminated Amphiphilic Block Copolymers and Their Self-Assembly into Metallo-Polymer Nanovesicles. Materials, 2019, 12, 601.	2.9	5
42	DNA-assisted photoinduced charge transfer between a cationic poly(phenylene vinylene) and a cationic fullerene. Physical Chemistry Chemical Physics, 2015, 17, 15675-15678.	2.8	4
43	Gold nanocluster formation using morpholino oligomer as template and assembly agent within hybrid bio-nanomaterials. RSC Advances, 2016, 6, 90624-90630.	3.6	4
44	Stimuli-Responsive Genetically Engineered Polymer Hydrogel Demonstrates Emergent Optical Responses. ACS Biomaterials Science and Engineering, 2016, 2, 1135-1142.	5.2	4
45	Nanocluster Beacon (NCB): A DNA-Silver Nanocluster Probe that Fluoresces upon Hybridization. Biophysical Journal, 2011, 100, 484a-485a.	0.5	3
46	A metallo-biopolymer conjugate of elastin-like polypeptide: photoluminescence enhancement in the coacervate microenvironment. Journal of Biological Inorganic Chemistry, 2018, 23, 1153-1157.	2.6	3
47	Super-resolution optical microscopy study of telomere structure. Journal of Biomedical Optics, 2016, 21, 094003.	2.6	1
48	Genetically Engineered Elastomeric Polymer Network through Protein Zipper Assembly. ChemistrySelect, 2017, 2, 5008-5012.	1.5	1
49	Conformational control via sequence for a heteropeptoid in water: coupled NMR and Rosetta modelling. Chemical Communications, 2021, 57, 9922-9925.	4.1	1