Martin H Moore

List of Publications by Year
in descending order

50 papers	2,059 citations	218677 26 h-index	233421 45 g-index
50 all docs	50 docs citations	50 times ranked	2408 citing authors

#	Article	IF	Citations
1	Packaging of Diisopropyl Fluorophosphatase (DFPase) in Bacterial Outer Membrane Vesicles Protects Its Activity at Extreme Temperature. ACS Biomaterials Science and Engineering, 2022, 8, 493-501.	5.2	4
2	Covalently attached liquids as protective coatings. Polymer International, 2021, 70, 701-709.	3.1	5
3	Synthetic Porous Melanin. Journal of the American Chemical Society, 2021, 143, 3094-3103.	13.7	30
4	Allomelanin: A Biopolymer of Intrinsic Microporosity. Journal of the American Chemical Society, 2021, 143, 4005-4016.	13.7	41
5	Environmental Decontamination of a Chemical Warfare Simulant Utilizing a Membrane Vesicle-Encapsulated Phosphotriesterase. ACS Applied Materials & Interfaces, 2018, 10, 15712-15719.	8.0	35
6	Development of a Genetic System for Marinobacter atlanticus CP1 (sp. nov.), a Wax Ester Producing Strain Isolated From an Autotrophic Biocathode. Frontiers in Microbiology, 2018, 9, 3176.	3.5	26
7	Deposition of Porous Sorbents on Fabric Supports. Journal of Visualized Experiments, 2018, , .	0.3	1
8	Reflectance-based detection for long term environmental monitoring. Heliyon, 2017, 3, e00312.	3.2	4
9	Improving Sorbents for Glycerol Capture in Biodiesel Refinement. Materials, 2017, 10, 682.	2.9	5
10	Photo-enhanced hydrolysis of bis(4-nitrophenyl) phosphate using Cu(<scp>ii</scp>) bipyridine-capped plasmonic nanoparticles. RSC Advances, 2016, 6, 41618-41621.	3.6	4
11	Reflectance-based detection of oxidizers in ambient air. Sensors and Actuators B: Chemical, 2016, 227, 399-402.	7.8	9
12	Kinetic analysis of the hydrolysis of methyl parathion using citrate-stabilized 10Ânm gold nanoparticles. Chemosphere, 2016, 144, 1916-1919.	8.2	13
13	Nanoparticle-Surface Interactions in Geometrical Separation Devices. Chromatography (Basel), 2015, 2, 567-579.	1.2	0
14	Square Wave Voltammetry of TNT at Gold Electrodes Modified with Self-Assembled Monolayers Containing Aromatic Structures. PLoS ONE, 2014, 9, e115966.	2.5	5
15	Surface plasmon resonance promotion of homogeneous catalysis using a gold nanoparticle platform. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	8
16	Molecular sensing: modulating molecular conduction through intermolecular interactions. Physical Chemistry Chemical Physics, 2013, 15, 8318.	2.8	8
17	Extraction of Perchlorate Using Porous Organosilicate Materials. Materials, 2013, 6, 1403-1419.	2.9	2
18	Biotemplating rod-like viruses for the synthesis of copper nanorods and nanowires. Journal of Nanobiotechnology, 2012, 10, 18.	9.1	62

#	Article	IF	Citations
19	Accelerating the initial rate of hydrolysis of methyl parathion with laser excitation using monolayer protected 10 nm Au nanoparticles capped with a Cu(bpy) catalyst. Chemical Communications, 2012, 48, 4121.	4.1	14
20	An Elastomeric Poly(Thiopheneâ€EDOT) Composite with a Dynamically Variable Permeability Towards Organic and Water Vapors. Advanced Functional Materials, 2012, 22, 3116-3127.	14.9	13
21	Electronic effects on the reactivity of copper mono-bipyridine complexes. Inorganica Chimica Acta, 2012, 388, 168-174.	2.4	6
22	Photocurrents from the Direct Irradiation of a Donorâ€“Acceptor Complex Contained in a Thin Film on Indium Tin Oxide. Journal of Physical Chemistry C, 2011, 115, 13446-13461.	3.1	12
23	Molecular electronics based nanosensors on a viral scaffold. Biosensors and Bioelectronics, 2011, 26, 2852-2857.	10.1	35
24	Bead-Based Fluid Array Detection of Pentaerythritol Tetranitrate: Comparison of Monoclonal vs. Llama Polyclonal Antibodies. Analytical Letters, 2010, 43, 2913-2922.	1.8	9
25	Synthesis and electrochemistry of self-assembled monolayers containing quinone derivatives with varying electronic conjugation. Journal of Electroanalytical Chemistry, 2009, 628, 125-133.	3.8	26
26	Conducting polymer â€œnanogatesâ€•â€“ Controllable diffusivities in thin films of novel tether-containing sulfonated polythiophenes. Electrochemistry Communications, 2009, 11, 169-173.	4.7	3
27	NIR-FT-SERS of 4â€³-trimethylsilylethylsulfanyl-4,4â€²-di(phenyleneethynylene)benzenethiol on Au nanospheres. Surface Science, 2008, 602, 1614-1621.	1.9	8
28	Quantum Dot Fluorescence as a Function of Alkyl Chain Length in Aqueous Environments. Langmuir, 2008, 24, 9194-9197.	3.5	25
29	Surface Reactivity of the Quinone/Hydroquinone Redox Center Tethered to Gold: Comparison of Delocalized and Saturated Bridges. Journal of the American Chemical Society, 2008, 130, 5579-5585.	13.7	29
30	Development of Antiricin Single Domain Antibodies Toward Detection and Therapeutic Reagents. Analytical Chemistry, 2008, 80, 9604-9611.	6.5	58
31	Rapid Proton-coupled Electron-transfer of Hydroquinone through Phenylenevinylene Bridges. Langmuir, 2007, 23, 942-948.	3.5	41
32	Heterogeneous electron transfer of quinoneâ€“hydroquinone in alkaline solutions at gold electrode surfaces: Comparison of saturated and unsaturated bridges. Journal of Electroanalytical Chemistry, 2007, 606, 33-38.	3.8	39
33	Detection of Deoxynivalenol in Foods and Indoor Air Using an Array Biosensor. Environmental Science & Technology, 2006, 40, 2352-2356.	10.0	74
34	Templated self-assembly of quantum dots from aqueous solution using protein scaffolds. Nanotechnology, 2006, 17, 5073-5079.	2.6	32
35	Multiplexed Detection of Mycotoxins in Foods with a Regenerable Arrayâ€. Journal of Food Protection, 2006, 69, 3047-3051.	1.7	38
36	Effects of hydration on molecular junction transport. Nature Materials, 2006, 5, 901-908.	27.5	110

#	Article	IF	Citations
37	Indirect competitive immunoassay for detection of aflatoxin B1 in corn and nut products using the array biosensor. Biosensors and Bioelectronics, 2006, 21, 2298-2305.	10.1	109
38	Rotational viscosity and molecular structure of nematic liquid crystals. Liquid Crystals, 2006, 33, 67-73.	2.2	57
39	Rapid detection of foodborne contaminants using an Array Biosensor. Sensors and Actuators B: Chemical, 2006, 113, 599-607.	7.8	103
40	Synthesis and characterization of wire-like Ru2(ap)4-[Ïƒ-oligo(phenylene ethynyl)] compounds. Journal of Organometallic Chemistry, 2005, 690, 4734-4739.	1.8	13
41	Magnetic directed assembly of molecular junctions. Applied Physics Letters, 2005, 86, 153105.	3.3	47
42	Ru2(ap)4(Ïƒ-oligo(phenyleneethynyl)) Molecular Wires:Â Synthesis and Electronic Characterization. Journal of the American Chemical Society, 2005, 127, 10010-10011.	13.7	151
43	Array Biosensor for Detection of Ochratoxin A in Cereals and Beverages. Analytical Chemistry, 2005, 77, 148-154.	6.5	126
44	Synthesis and structural characterization of a novel diosmium(III) compound: Os2(ap)4Cl2. Inorganica Chimica Acta, 2004, 357, 1313-1316.	2.4	6
45	Charge Transport and Scaling in Molecular Wires. Journal of Physical Chemistry B, 2004, 108, 18124-18128.	2.6	65
46	Sequential Deprotection for Control of Orientation in the Self-Assembly of Asymmetric Molecules for Molecular Electronic Devices. Langmuir, 2004, 20, 1838-1842.	3.5	32
47	Ligand Effects on Charge Transport in Platinum(II) Acetylides. Journal of the American Chemical Society, 2003, 125, 3202-3203.	13.7	159
48	Effect of Bond-Length Alternation in Molecular Wires. Journal of the American Chemical Society, 2002, 124, 10654-10655.	13.7	294
49	Photosensitive Triethoxysilane Derivatives for Alignment of Liquid Crystals. Chemistry of Materials, 2000, 12, 3288-3295.	6.7	34
50	Dipolar cycloaddition reactions on a soluble polymer-supported dipolarophile: Synthesis of sugar-derived triazoles. Tetrahedron Letters, 1998, 39, 7027-7030.	1.4	29