Mark J Henderson

List of Publications by Year
in descending order

46 papers	1,275 citations	394421 19 h-index	345221 36 g-index
46 all docs	46 docs citations	46 times ranked	1435 citing authors

#	Article	IF	Citations
1	Visibleâ€Light Photocatalysis in Titaniaâ€Based Mesoporous Thin Films. Advanced Materials, 2008, 20, 1493-1498.	21.0	177
2	Paramagnetic Bis(1,4-di-tert-butyl-1,4-diazabutadiene) Adducts of Lithium, Magnesium, and Zinc. Inorganic Chemistry, 1994, 33, 2456-2461.	4.0	139
3	Iodoform taste complaints in chloramination. Water Research, 1987, 21, 1265-1271.	11.3	88
4	Ion and solvent transfer discrimination at a nickel hydroxide film exposed to LiOH by combined electrochemical quartz crystal microbalance (EQCM) and probe beam deflection (PBD) techniques. Journal of Electroanalytical Chemistry, 2001, 500, 192-207.	3.8	85
5	Electrochemical Behavior of a New Precursor for the Design of Poly[Ni(salen)]-Based Modified Electrodes. Langmuir, 2003, 19, 7460-7468.	3.5	67
6	Effect of the Airâ^'Water Interface on the Stability of Î²-Lactoglobulin. Journal of Physical Chemistry B, 2007, 111, 13527-13537.	2.6	52
7	Reactions of gallium hydrides with 1,4-di-t-butyl-1,4-diazabutadiene; subvalent and hydrometallation products. Journal of the Chemical Society Chemical Communications, 1990, , 1203.	2.0	50
8	A combined electrochemical quartz crystal microbalance (EQCM) and probe beam deflection (PBD) study of a poly(o-toluidine) modified electrode in perchloric acid solution. Journal of Electroanalytical Chemistry, 1998, 454, 1-8.	3.8	48
9	Synthesis and X-ray crystal structure of the first homoleptic main group diazadiene complex, bis(1,4-di-t-butyl-1,4-diazabuta-1,3-diene) gallium. Journal of the Chemical Society Chemical Communications, 1989, , 1002.	2.0	46
10	Syntheses and structures of highly hindered N-functionalised alkylâ€"group 2 metal complexes [M{NC5H4C(SiMe3)2-2}2](M = Mg, Zn, Cd, or Hg). Journal of the Chemical Society Chemical Communications, 1986, , 672-674.	2.0	42
11	Ion and Solvent Transfer Discrimination at a Poly(o-toluidine) Film Exposed to HClO4by Combined Electrochemical Quartz Crystal Microbalance (EQCM) and Probe Beam Deflection (PBD). Journal of Physical Chemistry B, 1999, 103, 8899-8907.	2.6	35
12	Effect of the Airâ^'Water Interface on the Structure of Lysozyme in the Presence of Guanidinium Chloride. Journal of Physical Chemistry B, 2008, 112, 9532-9539.	2.6	31
13	Temporal resolution of ion and solvent transfers at nickel hydroxide films exposed to LiOH. Solid State Ionics, 2002, 150, 27-37.	2.7	26
14	Multi-approach Electron Paramagnetic Resonance Investigations of UV-Photoinduced Ti³⁺in Titanium Oxide-Based Gels. Journal of Physical Chemistry B, 2010, 114, 4424-4431.	2.6	25
15	Combined electrochemical quartz crystal microbalance (EQCM) and probe beam deflection (PBD): validation of the technique by a study of silver ion mass transport. Journal of Electroanalytical Chemistry, 1998, 458, 241-248.	3.8	24
16	Lead Underpotential Deposition on Polycrystalline Gold Electrode in Perchloric Acid Solution: A Combined Electrochemical Quartz Crystal Microbalance and Probe Beam Deflection Study. Journal of the Electrochemical Society, 2001, 148, E105.	2.9	23
17	The Growth of Self-Assembled Titania-Based Films at the Air - Water Interface. Australian Journal of Chemistry, 2003, 56, 933.	0.9	21
18	Structure of High Internal Phase Aqueous-in-Oil Emulsions and Related Inverse Micelle Solutions. 3. Variation of Surfactant. Journal of Physical Chemistry B, 2009, 113, 12231-12242.	2.6	21

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19	Solution stabilized monomeric dialkyl-aluminium and -gallium species, [MR2]. (R = 2-C(SiMe3)2C5H4N): from reduction of MR2Cl. Crystal structure of GaR2Cl. Journal of Organometallic Chemistry, 1990, 384, C1-C5.	1.8	20
20	Neutron and X-ray Reflectivity from Polyisobutylene-Based Amphiphiles at the Airâ^'Water Interface. Langmuir, 2003, 19, 752-761.	3.5	20
21	Paramagnetic aluminiumâ€"1,4-di-t-butyl-1,4-diazabutadiene (dbdab) complexes derived from metal vapours and/or metal hydrides: crystal structures of [Al(dbdab)2] and [Al(dbdab){N(But)CH2}2]. Journal of the Chemical Society Chemical Communications, 1990, , 1394-1396.	2.0	18
22	A Combined EQCM and Probe Beam Deflection Study of Salicylate Ion Transfer at a Polypyrrole Modified Electrode. Electrochemical and Solid-State Letters, 1999, 2, 631.	2.2	18
23	Lactoferrin-assisted synthesis of zinc ferrite nanocrystal: Its magnetic performance and photocatalytic activity. Journal of Alloys and Compounds, 2015, 652, 132-138.	5.5	18
24	Grating induced micelle alignment of mesostructured silica films. Applied Physics Letters, 2007, 91, 023104.	3.3	17
25	Interfacial Structure of a High Internal Phase Emulsion near a Solid Surface. Langmuir, 2002, 18, 9153-9157.	3.5	14
26	Human serum albumin binding to silica nanoparticles â€" effect of protein fatty acid ligand. Physical Chemistry Chemical Physics, 2014, 16, 10157-10168.	2.8	14
27	Magnetic exchange and zero-field splitting in the d3 [Os V Cl6]? ion. Journal of the Chemical Society Dalton Transactions, 1992, , 2309.	1.1	13
28	Syntheses and structures of highly hindered N-functionalised alkyl and amido group 12 complexes MR2 (M=Zn, Cd, and Hg), [MRCl]2 (M=Zn and Hg). Journal of Organometallic Chemistry, 2004, 689, 1991-1999.	1.8	13
29	Structure of High Internal Phase Aqueous-in-Oil Emulsions and Related Inverse Micelle Solutions. 4. Surfactant Mixtures. Journal of Physical Chemistry B, 2009, 113, 12243-12256.	2.6	13
30	Study of Titanium Oxide Solâ^'Gel Condensation Using Small Angle X-ray Scattering. Journal of Physical Chemistry B, 2010, 114, 5227-5232.	2.6	13
31	(Ce-Al)-oxide pillared bentonite: A high affinity sorbent for plutonium. Journal of Hazardous Materials, 2018, 352, 121-129.	12.4	13
32	On the etching of silica and mesoporous silica films determined by X-ray reflectivity and atomic force microscopy. Thin Solid Films, 2009, 517, 3028-3035.	1.8	11
33	Structural Study of Polystyrene-b-poly(acrylic acid) Micelles Complexed with Uranyl: A SAXS Coreâ€"Shell Model Analysis. Langmuir, 2020, 36, 4820-4826.	3.5	9
34	Proteinâ^'Poly(silicic) Acid Interactions at The Air/Solution Interface. Journal of Physical Chemistry B, 2005, 109, 20878-20886.	2.6	8
35	TiO₂ Thin Films Self-Assembled with a Partly Fluorinated Surfactant Template. Langmuir, 2010, 26, 1124-1129.	3.5	7
36	Pore structure and plutonium retention in fractal-like (Ce Al)-oxide Laponite clusters. Applied Clay Science, 2020, 198, 105799.	5.2	6

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37	A small angle neutron scattering study of the interface between solids and oil-continuous emulsions and oil-based microemulsions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 232, 55-65.	4.7	5
38	Complex layering observed in high internal phase emulsions at a silicon surface by neutron reflectometry. Journal of Colloid and Interface Science, 2011, 364, 539-545.	9.4	5
39	Aggregated germanium saponite: Removal and retention of polymeric thorium and uranium complexes. Applied Clay Science, 2022, 216, 106382.	5.2	5
40	In situ neutron reflectivity studies of poly-o-toluidine films. Physica B: Condensed Matter, 2000, 276-278, 373-374.	2.7	4
41	SAXS study of the formation and structure of polynuclear thorium(IV) colloids and thorium dioxide nanoparticles. Journal of Synchrotron Radiation, 2022, 29, 281-287.	2.4	4
42	Fractionation of clay colloids and their synthetic utility in vanadium hydroxide-clay thin film formation. Applied Surface Science, 2019, 481, 92-98.	6.1	3
43	The Intercalation of N,N,Nâ€²,Nâ€²-Tetramethyl-ethane-1,2-diamine (tmeda) into C₆Li and C₁₂Li. Inorganic Chemistry, 2012, 51, 4426-4428.	4.0	2
44	Emergent magnetism from lithium freezing in lithium-doped boron nitride. Physical Review Materials, 2017, 1, .	2.4	1
45	Structure and transport of polystyrene-b-poly(acrylic acid) micelles incorporating uranyl carbonate: a model for NOMâ€“U(<scp>vi</scp>) colloids. Environmental Science: Nano, 0, , .	4.3	1
46	EPR and SAXS studies of a TiO<inf>2</inf>-based gel. , 2009, , .		0