

Mark J Henderson

List of Publications by Year in descending order

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46
papers

1,275
citations

394421

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docs citations

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times ranked

1435
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#	ARTICLE	IF	CITATIONS
1	SAXS study of the formation and structure of polynuclear thorium(IV) colloids and thorium dioxide nanoparticles. <i>Journal of Synchrotron Radiation</i> , 2022, 29, 281-287.	2.4	4
2	Aggregated germanium saponite: Removal and retention of polymeric thorium and uranium complexes. <i>Applied Clay Science</i> , 2022, 216, 106382.	5.2	5
3	Pore structure and plutonium retention in fractal-like (Ce Al)-oxide Laponite clusters. <i>Applied Clay Science</i> , 2020, 198, 105799.	5.2	6
4	Structural Study of Polystyrene- <i>b</i> -poly(acrylic acid) Micelles Complexed with Uranyl: A SAXS Core-Shell Model Analysis. <i>Langmuir</i> , 2020, 36, 4820-4826.	3.5	9
5	Fractionation of clay colloids and their synthetic utility in vanadium hydroxide-clay thin film formation. <i>Applied Surface Science</i> , 2019, 481, 92-98.	6.1	3
6	(Ce-Al)-oxide pillared bentonite: A high affinity sorbent for plutonium. <i>Journal of Hazardous Materials</i> , 2018, 352, 121-129.	12.4	13
7	Emergent magnetism from lithium freezing in lithium-doped boron nitride. <i>Physical Review Materials</i> , 2017, 1, .	2.4	1
8	Lactoferrin-assisted synthesis of zinc ferrite nanocrystal: Its magnetic performance and photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2015, 652, 132-138.	5.5	18
9	Human serum albumin binding to silica nanoparticles – effect of protein fatty acid ligand. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 10157-10168.	2.8	14
10	The Intercalation of N_2 , CO_2 , N_2 , CO_2 -Tetramethyl-ethane-1,2-diamine (tmeda) into $C_{60}Li$ and $C_{120}Li$. <i>Inorganic Chemistry</i> , 2012, 51, 4426-4428.	4.0	2
11	Complex layering observed in high internal phase emulsions at a silicon surface by neutron reflectometry. <i>Journal of Colloid and Interface Science</i> , 2011, 364, 539-545.	9.4	5
12	TiO_2 Thin Films Self-Assembled with a Partly Fluorinated Surfactant Template. <i>Langmuir</i> , 2010, 26, 1124-1129.	3.5	7
13	Study of Titanium Oxide Sol-Gel Condensation Using Small Angle X-ray Scattering. <i>Journal of Physical Chemistry B</i> , 2010, 114, 5227-5232.	2.6	13
14	Multi-approach Electron Paramagnetic Resonance Investigations of UV-Photoinduced Ti^{3+} in Titanium Oxide-Based Gels. <i>Journal of Physical Chemistry B</i> , 2010, 114, 4424-4431.	2.6	25
15	EPR and SAXS studies of a TiO_2 -based gel. , 2009, , .		0
16	On the etching of silica and mesoporous silica films determined by X-ray reflectivity and atomic force microscopy. <i>Thin Solid Films</i> , 2009, 517, 3028-3035.	1.8	11
17	Structure of High Internal Phase Aqueous-in-Oil Emulsions and Related Inverse Micelle Solutions. 3. Variation of Surfactant. <i>Journal of Physical Chemistry B</i> , 2009, 113, 12231-12242.	2.6	21
18	Structure of High Internal Phase Aqueous-in-Oil Emulsions and Related Inverse Micelle Solutions. 4. Surfactant Mixtures. <i>Journal of Physical Chemistry B</i> , 2009, 113, 12243-12256.	2.6	13

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19	Visible-Light Photocatalysis in Titania-Based Mesoporous Thin Films. <i>Advanced Materials</i> , 2008, 20, 1493-1498.	21.0	177
20	Effect of the Air-Water Interface on the Structure of Lysozyme in the Presence of Guanidinium Chloride. <i>Journal of Physical Chemistry B</i> , 2008, 112, 9532-9539.	2.6	31
21	Grating induced micelle alignment of mesostructured silica films. <i>Applied Physics Letters</i> , 2007, 91, 023104.	3.3	17
22	Effect of the Air-Water Interface on the Stability of β -Lactoglobulin. <i>Journal of Physical Chemistry B</i> , 2007, 111, 13527-13537.	2.6	52
23	Protein-Poly(silicic) Acid Interactions at The Air/Solution Interface. <i>Journal of Physical Chemistry B</i> , 2005, 109, 20878-20886.	2.6	8
24	Syntheses and structures of highly hindered N-functionalised alkyl and amido group 12 complexes MR ₂ (M=Zn, Cd, and Hg), [MRC ₂] ₂ (M=Zn and Hg). <i>Journal of Organometallic Chemistry</i> , 2004, 689, 1991-1999.	1.8	13
25	A small angle neutron scattering study of the interface between solids and oil-continuous emulsions and oil-based microemulsions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 232, 55-65.	4.7	5
26	Electrochemical Behavior of a New Precursor for the Design of Poly[Ni(salen)]-Based Modified Electrodes. <i>Langmuir</i> , 2003, 19, 7460-7468.	3.5	67
27	Neutron and X-ray Reflectivity from Polyisobutylene-Based Amphiphiles at the Air-Water Interface. <i>Langmuir</i> , 2003, 19, 752-761.	3.5	20
28	The Growth of Self-Assembled Titania-Based Films at the Air - Water Interface. <i>Australian Journal of Chemistry</i> , 2003, 56, 933.	0.9	21
29	Interfacial Structure of a High Internal Phase Emulsion near a Solid Surface. <i>Langmuir</i> , 2002, 18, 9153-9157.	3.5	14
30	Temporal resolution of ion and solvent transfers at nickel hydroxide films exposed to LiOH. <i>Solid State Ionics</i> , 2002, 150, 27-37.	2.7	26
31	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. <i>Journal of Electroanalytical Chemistry</i> , 2001, 500, 192-207.	3.8	85
32	Lead Underpotential Deposition on Polycrystalline Gold Electrode in Perchloric Acid Solution: A Combined Electrochemical Quartz Crystal Microbalance and Probe Beam Deflection Study. <i>Journal of the Electrochemical Society</i> , 2001, 148, E105.	2.9	23
33	In situ neutron reflectivity studies of poly-o-toluidine films. <i>Physica B: Condensed Matter</i> , 2000, 276-278, 373-374.	2.7	4
34	A Combined EQCM and Probe Beam Deflection Study of Salicylate Ion Transfer at a Polypyrrole Modified Electrode. <i>Electrochemical and Solid-State Letters</i> , 1999, 2, 631.	2.2	18
35	Ion and Solvent Transfer Discrimination at a Poly(o-toluidine) Film Exposed to HClO ₄ by Combined Electrochemical Quartz Crystal Microbalance (EQCM) and Probe Beam Deflection (PBD). <i>Journal of Physical Chemistry B</i> , 1999, 103, 8899-8907.	2.6	35
36	A combined electrochemical quartz crystal microbalance (EQCM) and probe beam deflection (PBD) study of a poly(o-toluidine) modified electrode in perchloric acid solution. <i>Journal of Electroanalytical Chemistry</i> , 1998, 454, 1-8.	3.8	48

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37	Combined electrochemical quartz crystal microbalance (EQCM) and probe beam deflection (PBD): validation of the technique by a study of silver ion mass transport. <i>Journal of Electroanalytical Chemistry</i> , 1998, 458, 241-248.	3.8	24
38	Paramagnetic Bis(1,4-di-tert-butyl-1,4-diazabutadiene) Adducts of Lithium, Magnesium, and Zinc. <i>Inorganic Chemistry</i> , 1994, 33, 2456-2461.	4.0	139
39	Magnetic exchange and zero-field splitting in the $d^3[\text{Os V Cl}_6]^{3-}$ ion. <i>Journal of the Chemical Society Dalton Transactions</i> , 1992, , 2309.	1.1	13
40	Solution stabilized monomeric dialkyl-aluminium and -gallium species, $[\text{MR}_2]$. ($\text{R} = 2\text{-C}(\text{SiMe}_3)_2\text{C}_5\text{H}_4\text{N}$): from reduction of MR_2Cl . Crystal structure of GaR_2Cl . <i>Journal of Organometallic Chemistry</i> , 1990, 384, C1-C5.	1.8	20
41	Paramagnetic aluminium-1,4-di-tert-butyl-1,4-diazabutadiene (dbdab) complexes derived from metal vapours and/or metal hydrides: crystal structures of $[\text{Al}(\text{dbdab})_2]$ and $[\text{Al}(\text{dbdab})\{\text{N}(\text{But})\text{CH}_2\}_2]$. <i>Journal of the Chemical Society Chemical Communications</i> , 1990, , 1394-1396.	2.0	18
42	Reactions of gallium hydrides with 1,4-di-tert-butyl-1,4-diazabutadiene; subvalent and hydrometallation products. <i>Journal of the Chemical Society Chemical Communications</i> , 1990, , 1203.	2.0	50
43	Synthesis and X-ray crystal structure of the first homoleptic main group diazadiene complex, bis(1,4-di-tert-butyl-1,4-diazabutadiene) gallium. <i>Journal of the Chemical Society Chemical Communications</i> , 1989, , 1002.	2.0	46
44	Iodoform taste complaints in chloramination. <i>Water Research</i> , 1987, 21, 1265-1271.	11.3	88
45	Syntheses and structures of highly hindered N-functionalised alkyl- π -group 2 metal complexes $[\text{M}\{\text{NC}_5\text{H}_4\text{C}(\text{SiMe}_3)_2\}_2]$ ($\text{M} = \text{Mg}, \text{Zn}, \text{Cd}, \text{or Hg}$). <i>Journal of the Chemical Society Chemical Communications</i> , 1986, , 672-674.	2.0	42
46	Structure and transport of polystyrene- <i>b</i> -poly(acrylic acid) micelles incorporating uranyl carbonate: a model for NOM- $\text{U}(\text{VI})$ colloids. <i>Environmental Science: Nano</i> , 0, , .	4.3	1