

Andrew M Mcdonagh

List of Publications by Year in descending order

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papers

6,642
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66343

42
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64796

79
g-index

130
all docs

130
docs citations

130
times ranked

9408
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Optical Properties of Hybrid and Alloy Plasmonic Nanoparticles. <i>Chemical Reviews</i> , 2011, 111, 3713-3735.	47.7	730
2	Zinc oxide particles: Synthesis, properties and applications. <i>Chemical Engineering Journal</i> , 2012, 185-186, 1-22.	12.7	579
3	High-Capacity Aqueous Potassium-Ion Batteries for Large-Scale Energy Storage. <i>Advanced Materials</i> , 2017, 29, 1604007.	21.0	494
4	Organometallic Complexes in Nonlinear Optics I: Second-Order Nonlinearities. <i>Advances in Organometallic Chemistry</i> , 1998, 42, 291-362.	1.0	373
5	Organometallic Complexes for Nonlinear Optics. 16.1 Second and Third Order Optical Nonlinearities of Octopolar Alkynylruthenium Complexes. <i>Journal of the American Chemical Society</i> , 1999, 121, 1405-1406.	13.7	176
6	Organometallic Complexes for Nonlinear Optics. 17.1 Synthesis, Third-Order Optical Nonlinearities, and Two-Photon Absorption Cross Section of an Alkynylruthenium Dendrimer. <i>Organometallics</i> , 1999, 18, 5195-5197.	2.3	167
7	Organometallic Complexes in Nonlinear Optics II: Third-Order Nonlinearities and Optical Limiting Studies. <i>Advances in Organometallic Chemistry</i> , 1999, 43, 349-405.	1.0	167
8	Metal-containing nanoparticles and nano-structured particles in fingerprint detection. <i>Forensic Science International</i> , 2008, 179, 87-97.	2.2	161
9	A versatile functionalized ionic liquid to boost the solution-mediated performances of lithium-oxygen batteries. <i>Nature Communications</i> , 2019, 10, 602.	12.8	138
10	Adsorption of Amine Compounds on the Au(111) Surface: A Density Functional Study. <i>Journal of Physical Chemistry C</i> , 2007, 111, 13886-13891.	3.1	131
11	Formation of Gold Nanorods by a Stochastic "Popcorn" Mechanism. <i>ACS Nano</i> , 2012, 6, 1116-1125.	14.6	117
12	Electrochemical, Spectroelectrochemical, and Molecular Quadratic and Cubic Nonlinear Optical Properties of Alkynylruthenium Dendrimers. <i>Journal of the American Chemical Society</i> , 2006, 128, 10819-10832.	13.7	115
13	In situ reversible electrochemical switching of the molecular first hyperpolarizability. <i>Chemical Physics Letters</i> , 2003, 368, 408-411.	2.6	110
14	Photodegradation of estrogenic endocrine disrupting steroidal hormones in aqueous systems: Progress and future challenges. <i>Science of the Total Environment</i> , 2016, 550, 209-224.	8.0	99
15	Organometallic complexes for nonlinear optics. <i>Journal of Organometallic Chemistry</i> , 2002, 642, 259-267.	1.8	97
16	Factors affecting internal standard selection for quantitative elemental bio-imaging of soft tissues by LA-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 1494.	3.0	93
17	A Variable Optical Attenuator Operating in the Near-Infrared Region Based on an Electrochromic Molybdenum Complex. <i>Chemistry of Materials</i> , 2000, 12, 2523-2524.	6.7	91
18	Ruthenium phthalocyanine and naphthalocyanine complexes: Synthesis, properties and applications. <i>Coordination Chemistry Reviews</i> , 2007, 251, 1128-1157.	18.8	90

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19	Fluorescent TiO ₂ powders prepared using a new perylene diimide dye: Applications in latent fingerprint detection. <i>Forensic Science International</i> , 2007, 173, 154-160.	2.2	85
20	Organometallic complexes for nonlinear optics.. <i>Inorganica Chimica Acta</i> , 2003, 352, 9-18.	2.4	81
21	Aqueous pathways for the formation of zinc oxide nanoparticles. <i>Dalton Transactions</i> , 2011, 40, 4871.	3.3	79
22	Fingerprint detection on non-porous and semi-porous surfaces using NaYF ₄ :Er,Yb up-converter particles. <i>Forensic Science International</i> , 2011, 207, 145-149.	2.2	78
23	Enhancement of latent fingerprints on non-porous surfaces using anti-I-amino acid antibodies conjugated to gold nanoparticles. <i>Chemical Communications</i> , 2011, 47, 5602-5604.	4.1	76
24	Quantification method for elemental bio-imaging by LA-ICP-MS using metal spiked PMMA films. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 722.	3.0	75
25	Convergent Synthesis of Alkynylbis(bidentate phosphine)ruthenium Dendrimers. <i>Organometallics</i> , 2003, 22, 1402-1413.	2.3	73
26	An evaluation of nanostructured zinc oxide as a fluorescent powder for fingerprint detection. <i>Journal of Materials Science</i> , 2008, 43, 732-737.	3.7	72
27	Zinc hydroxide sulphate and its transformation to crystalline zinc oxide. <i>Dalton Transactions</i> , 2013, 42, 14432.	3.3	72
28	Organometallic complexes for nonlinear optics. 15. Molecular quadratic hyperpolarizabilities of trans-bis{bis(diphenylphosphino)methane}ruthenium η^5 -aryl- and η^5 -pyridyl-acetylides: X-ray crystal structure of trans-[Ru(2-C η^5 -CC ₅ H ₃ N-5-NO ₂)Cl(dppm) ₂]. <i>Journal of Organometallic Chemistry</i> , 1998, 563, 137-146.	1.8	69
29	Rapid and Controllable Sintering of Gold Nanoparticle Inks at Room Temperature Using a Chemical Agent. <i>Journal of Physical Chemistry C</i> , 2009, 113, 1325-1328.	3.1	68
30	Zinc Hydroxyacetate and Its Transformation to Nanocrystalline Zinc Oxide. <i>Inorganic Chemistry</i> , 2013, 52, 95-102.	4.0	64
31	Organometallic complexes for nonlinear optics VI: syntheses of rigid-rod ruthenium η^5 -acetylide complexes bearing strong acceptor ligands; X-ray crystal structures of trans-[Ru(C η^5 -1,10-phenanthroline)Cl]ClO ₄ . <i>Journal of Organometallic Chemistry</i> , 1996, 523, 33-40.	1.8	62
32	Organometallic complexes for non-linear optics VII. Cubic optical non-linearities of octahedral trans-bis{bis(diphenylphosphino)methane}ruthenium acetylide complexes; X-ray crystal structure of trans-[Ru(C η^5 -1,10-phenanthroline)(4-C η^5 -CC ₆ H ₄ NO ₂)(dppm) ₂]. <i>Journal of Organometallic Chemistry</i> , 1996, 526, 99-103.	1.8	62
33	Theoretical Study of Ethynylbenzene Adsorption on Au(111) and Implications for a New Class of Self-Assembled Monolayer. <i>Journal of Physical Chemistry B</i> , 2005, 109, 20387-20392.	2.6	62
34	Fingerprint detection on non-porous and semi-porous surfaces using YVO ₄ :Er,Yb luminescent upconverting particles. <i>Forensic Science International</i> , 2012, 217, e23-e26.	2.2	60
35	Photocatalysis of estrone in water and wastewater: Comparison between Au-TiO ₂ nanocomposite and TiO ₂ , and degradation by-products. <i>Science of the Total Environment</i> , 2018, 610-611, 521-530.	8.0	60
36	Transformation of zinc hydroxide chloride monohydrate to crystalline zinc oxide. <i>Dalton Transactions</i> , 2016, 45, 7385-7390.	3.3	57

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37	Methods for the enhancement of fingermarks in blood. <i>Forensic Science International</i> , 2011, 210, 1-11.	2.2	56
38	Organometallic complexes for non-linear optics V. <i>Journal of Organometallic Chemistry</i> , 1996, 519, 229-235.	1.8	55
39	Ruthenium Phthalocyanine-Bipyridyl Dyads as Sensitizers for Dye-Sensitized Solar Cells: Dye Coverage versus Molecular Efficiency. <i>Inorganic Chemistry</i> , 2009, 48, 3215-3227.	4.0	54
40	Donor-acceptor complexes incorporating ferrocenes: spectroelectrochemical characterisation, quadratic hyperpolarisabilities and the effects of oxidising and reducing agents. <i>Dalton Transactions RSC</i> , 2001, , 3025-3038.	2.3	51
41	Optical and Redox Properties of Ruthenium Phthalocyanine Complexes Tuned with Axial Ligand Substituents. <i>Inorganic Chemistry</i> , 2007, 46, 2805-2813.	4.0	46
42	Fouling and Inactivation of Titanium Dioxide-Based Photocatalytic Systems. <i>Critical Reviews in Environmental Science and Technology</i> , 2015, 45, 1880-1915.	12.8	42
43	Near infrared imaging for the improved detection of fingermarks on difficult surfaces. <i>Australian Journal of Forensic Sciences</i> , 2009, 41, 43-62.	1.2	39
44	Covalently Linked Ferrocenyl Quinones: Proton-Dependent Redox Behavior and Charge Redistribution. <i>Organometallics</i> , 2006, 25, 2216-2224.	2.3	38
45	Organometallic complexes for nonlinear optics. <i>Journal of Organometallic Chemistry</i> , 2000, 605, 193-201.	1.8	37
46	Organometallic complexes for nonlinear optics. <i>Journal of Organometallic Chemistry</i> , 2000, 605, 184-192.	1.8	37
47	Organometallic complexes for nonlinear optics. <i>Journal of Organometallic Chemistry</i> , 2000, 610, 71-79.	1.8	35
48	Ethynylbenzene Monolayers on Gold: A Metal-Molecule Binding Motif Derived from a Hydrocarbon. <i>Journal of the American Chemical Society</i> , 2007, 129, 3533-3538.	13.7	34
49	Spectrally selective coatings of gold nanorods on architectural glass. <i>Journal of Nanoparticle Research</i> , 2010, 12, 2821-2830.	1.9	34
50	A Straightforward Route to Tetrachloroauric Acid from Gold Metal and Molecular Chlorine for Nanoparticle Synthesis. <i>Metals</i> , 2015, 5, 1454-1461.	2.3	32
51	Exploring the Performance of Molecular Rectifiers: Limitations and Factors Affecting Molecular Rectification. <i>Nano Letters</i> , 2007, 7, 3018-3022.	9.1	30
52	A multi-functional gel co-polymer bridging liquid electrolyte and solid cathode nanoparticles: An efficient route to Li-O ₂ batteries with improved performance. <i>Energy Storage Materials</i> , 2017, 7, 1-7.	18.0	30
53	Trends in back-bonding in the series trans-[M(C [†] CR)Cl(PH ₃) ₄] (M=Fe, Ru, Os; R=H, Ph, C ₆ H ₄ NO ₂ -4). <i>Journal of Organometallic Chemistry</i> , 2000, 607, 208-212.	1.8	27
54	Percolation Diffusion into Self-Assembled Mesoporous Silica Microfibres. <i>Nanomaterials</i> , 2014, 4, 157-174.	4.1	26

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55	A long-life lithium-oxygen battery via a molecular quenching/mediating mechanism. <i>Science Advances</i> , 2022, 8, eabm1899.	10.3	26
56	Rectification in donor-acceptor molecular junctions. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 374106.	1.8	25
57	Titanium Dioxide Nanoparticles Functionalized with Pd and W Complexes of a Catecholphosphane Ligand. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 496-503.	2.0	23
58	Preparation of nanoscale gold structures by nanolithography. <i>Gold Bulletin</i> , 2007, 40, 310-320.	2.7	23
59	Synthesis of unsymmetrical biaryl ureas from N-carbamoylimidazoles: kinetics and application. <i>Tetrahedron</i> , 2012, 68, 6065-6070.	1.9	23
60	Formation of Zinc Hydroxide Nitrate by H ₂ O ₂ -Catalyzed Dissolution-Precipitation. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 1326-1335.	2.0	23
61	From Lead(II) Dithiocarbamate Precursors to a Fast Response PbS Positive Temperature Coefficient Thermistor. <i>Inorganic Chemistry</i> , 2018, 57, 2132-2140.	4.0	23
62	TEMPO-Ionic Liquids as Redox Mediators and Solvents for Li-O ₂ Batteries. <i>Journal of Physical Chemistry C</i> , 2020, 124, 5087-5092.	3.1	23
63	Styryl dye coated metal oxide powders for the detection of latent fingerprints on non-porous surfaces. <i>Forensic Science International</i> , 2012, 219, 208-214.	2.2	22
64	On the Coalescence of Nanoparticulate Gold Sinter Ink. <i>Journal of Physical Chemistry C</i> , 2013, 117, 11377-11384.	3.1	20
65	A study of reverse bias in a dye sensitised photoelectrochemical device. <i>Solar Energy Materials and Solar Cells</i> , 2003, 76, 175-181.	6.2	18
66	Magnetised titanium dioxide (TiO ₂) for water purification: preparation, characterisation and application. <i>Desalination and Water Treatment</i> , 2015, 54, 979-1002.	1.0	18
67	Chitosan-based Nano-biocomposites and their Applications in Medicine and Pharmaceuticals. <i>Current Organic Chemistry</i> , 2018, 22, 628-640.	1.6	17
68	Organometallic Complexes for Non-linear Optics. 49.* Third-Order Non-linear Optical Spectral Dependence Studies of Arylalkynylruthenium Dendrimers. <i>Australian Journal of Chemistry</i> , 2011, 64, 1269.	0.9	16
69	Preparation of cis- and trans-[OsCl ₂ (Me ₂ SO) ₄], and X-Ray Crystal Structures of the All-S-Bound Isomers. <i>Australian Journal of Chemistry</i> , 1998, 51, 807.	0.9	15
70	Synthesis, electrochemistry and spectroscopic properties of ruthenium phthalocyanine and naphthalocyanine complexes with triphenylarsine ligands. <i>Inorganica Chimica Acta</i> , 2008, 361, 49-55.	2.4	15
71	Synthesis and impurity profiling of MDMA prepared from commonly available starting materials. <i>Forensic Science International</i> , 2012, 223, 306-313.	2.2	15
72	Plasmon Resonances in V-Shaped Gold Nanostructures. <i>Plasmonics</i> , 2012, 7, 235-243.	3.4	15

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73	Versatile method for template-free synthesis of single crystalline metal and metal alloy nanowires. <i>Nanoscale</i> , 2016, 8, 2804-2810.	5.6	15
74	Nature of magnetism in thiol-capped gold nanoparticles investigated with Muon spin rotation. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	15
75	Controlled Assembly of 1,4-Phenylenedimethanethiol Molecular Nanostructures. <i>Chemistry of Materials</i> , 2006, 18, 2376-2380.	6.7	14
76	Organic impurity profiling of 3,4-methylenedioxymethamphetamine (MDMA) synthesised from catechol. <i>Forensic Science International</i> , 2015, 248, 140-147.	2.2	14
77	Bis(π^2 S, π^1 -di(isopropyl)dithiocarbamato)nickel(II): Anagostic C π -H π ... π ...Ni interactions and physical properties. <i>Journal of Molecular Structure</i> , 2016, 1113, 127-132.	3.6	14
78	Photodesorption of organic matter from titanium dioxide particles in aqueous media. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 1774-1780.	5.8	13
79	Remarkable thermal stability of gold nanoparticles functionalised with ruthenium phthalocyanine complexes. <i>Nanotechnology</i> , 2016, 27, 215702.	2.6	13
80	Structural Changes in Self-Assembled Monolayers Initiated by Ultraviolet Light. <i>Journal of Physical Chemistry B</i> , 2006, 110, 15951-15954.	2.6	12
81	Laser-induced assembly of gold nanoparticles into colloidal crystals. <i>Nanotechnology</i> , 2007, 18, 365301.	2.6	12
82	Convenient Synthesis and Purification of [Bu ₄ N] ₂ [Ru(4-carboxy-4-carboxylate-2,2'-bipyridine) ₂ (NCS) ₂]: a Landmark DSC Dye. <i>Australian Journal of Chemistry</i> , 2008, 61, 405.	0.9	12
83	Plasmon resonance and electric field amplification of crossed gold nanorods. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2009, 7, 143-152.	2.0	12
84	An Unusual Mercury(II) Diisopropylthiocarbamate Coordination Polymer. <i>Crystal Growth and Design</i> , 2019, 19, 1125-1133.	3.0	12
85	Selective preparation of cis-or trans-dichlorobis{(R,R)-1,2-phenylenebis(methylphenylphosphine-P)}osmium(II) from dimethylsulfoxide complex precursors. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 3579-3583.	1.8	11
86	Redox and UV/VIS/NIR spectroscopic properties of tris(pyrazolyl)borato π -oxo π -molybdenum(V) complexes with naphtholate and related co-ligands. <i>New Journal of Chemistry</i> , 2001, 25, 1236-1243.	2.8	11
87	On the formation of nanocrystalline active zinc oxide from zinc hydroxide carbonate. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	11
88	Intramolecular H π -S interactions in metal di-(isopropyl)dithiocarbamate complexes. <i>CrystEngComm</i> , 2016, 18, 7070-7077.	2.6	11
89	Exploiting Zinc Oxide Re-emission to Fabricate Periodic Arrays. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 1774-1779.	8.0	10
90	On the Reactivity of Zinc Hydroxide Acetate Dihydrate in Ethanol. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 5133-5137.	2.0	10

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91	Conversion of single crystals of a nickel(II) dithiocarbamate complex to nickel sulfide crystals. <i>Inorganica Chimica Acta</i> , 2019, 487, 228-233.	2.4	10
92	Nitronyl Nitroxide-Based Redox Mediators for Li-O ₂ Batteries. <i>Journal of Physical Chemistry C</i> , 2021, 125, 2824-2830.	3.1	10
93	Photomechanical photochromism in a cetyltrimethylammonium isopolytungstate. <i>RSC Advances</i> , 2018, 8, 18776-18783.	3.6	9
94	Thin films of ruthenium phthalocyanine complexes. <i>Nano Research</i> , 2009, 2, 678-687.	10.4	8
95	Synthesis and characterisation of potassium polytitanate for photocatalytic degradation of crystal violet. <i>Journal of Environmental Sciences</i> , 2014, 26, 2348-2354.	6.1	8
96	Cyclen-based chelators for the inhibition of Al ³⁺ aggregation: Synthesis, anti-oxidant and aggregation evaluation. <i>Inorganica Chimica Acta</i> , 2017, 467, 343-350.	2.4	8
97	On the thermal decomposition of zinc hydroxide nitrate, Zn ₅ (OH) ₈ (NO ₃) ₂ ·2H ₂ O. <i>Journal of Solid State Chemistry</i> , 2020, 286, 121311.	2.9	8
98	cis-[PtBr ₂ {PPh ₂ (4-catechol)} ₂]: synthesis, crystal structure, and computational modelling of its binding to nanocrystalline TiO ₂ . <i>Dalton Transactions</i> , 2006, , 680.	3.3	7
99	Self-Organization of a Discotic Coordination Complex Bearing Orthogonal Discotic Ligands. <i>ACS Nano</i> , 2007, 1, 348-354.	14.6	7
100	Photocatalysis of 17 β -ethynylestradiol and estriol in water using engineered immersible optical fibres and light emitting diodes. <i>Journal of Water Process Engineering</i> , 2020, 33, 101075.	5.6	7
101	Highly stable gold nanolayer membrane for efficient solar water evaporation under a harsh environment. <i>Chemosphere</i> , 2022, 299, 134394.	8.2	7
102	Room temperature sol-gel fabrication and functionalization for sensor applications. <i>Photonic Sensors</i> , 2013, 3, 168-177.	5.0	6
103	Thermal stability of mesoscopic compounds of cetyltrimethylammonium and Keggin metatungstates. <i>Dalton Transactions</i> , 2017, 46, 11053-11062.	3.3	6
104	X-ray induced reduction of a surfactant/polyoxotungstate hybrid compound. <i>Surface and Interface Analysis</i> , 2018, 50, 1384-1388.	1.8	6
105	Organic impurity profiling of 3,4-methylenedioxymethamphetamine (MDMA) synthesised from catechol and eugenol via 4-allylcatechol. <i>Forensic Science International</i> , 2020, 309, 110176.	2.2	6
106	Ruthenium Vinylidene and Acetylide Complexes. An Advanced Undergraduate Multi-technique Inorganic/Organometallic Chemistry Experiment. <i>Journal of Chemical Education</i> , 2001, 78, 232.	2.3	5
107	Crystal packing principles for ferrocenyl groups linked by polyynes chains: dimorphism of Fc-C ₄ -Fc. <i>CrystEngComm</i> , 2003, 5, 305.	2.6	5
108	Photodesorption of specific organic compounds from titanium dioxide particles in aqueous media. <i>Desalination and Water Treatment</i> , 2014, 52, 867-872.	1.0	5

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109	On the Development of Optical Properties during Thermal Coarsening of Gold Nanoparticle Composites. <i>Journal of Physical Chemistry C</i> , 2018, 122, 12098-12105.	3.1	5
110	In situ study of the precursor conversion reactions during solventless synthesis of Co ₉ S ₈ , Ni ₃ S ₂ , Co and Ni nanowires. <i>Nanoscale</i> , 2018, 10, 15669-15676.	5.6	5
111	Influence of Bound versus Non-Bound Stabilizing Molecules on the Thermal Stability of Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2017, 121, 13944-13951.	3.1	5
112	trans-Dichlorobis[(R,R)-1,2-phenylenebis(methylphenylphosphine-P)]ruthenium(II). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1996, 52, 1639-1641.	0.4	4
113	Co-doped mesoporous titania photocatalysts prepared from a peroxy-titanium complex solution. <i>Materials Research Bulletin</i> , 2014, 49, 7-13.	5.2	4
114	Organic impurity profiling of methylone and intermediate compounds synthesized from catechol. <i>Drug Testing and Analysis</i> , 2017, 9, 436-445.	2.6	4
115	The instructive redox behaviour of 4-ferrocenylcatechol on nanocrystalline titanium dioxide electrodes. <i>Applied Organometallic Chemistry</i> , 2007, 21, 73-75.	3.5	3
116	Thermal Stability of (K _x Na _y H _z) ₂ Ti ₆ O ₁₃ Nanofibers. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 5087-5095.	0.9	3
117	Synthesis and Characterisation of Silica-Modified Titania for Photocatalytic Decolouration of Crystal Violet. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 5326-5329.	0.9	3
118	Adsorption and Photocatalytic Degradation of Methylene Blue Using Potassium Polytitanate and Solar Simulator. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 4342-4349.	0.9	3
119	Synthesis and organic impurity profiling of 4-methoxymethamphetamine hydrochloride and its precursors. <i>Forensic Science International</i> , 2017, 272, 184-189.	2.2	2
120	Synthesis and Characterization of Anthracene-2,6-dithioacetate: a Rigid, Conjugated Molecule for the Formation of Monolayers on Gold. <i>Australian Journal of Chemistry</i> , 2008, 61, 758.	0.9	1
121	Thin films of a dimeric ruthenium phthalocyanine complex on gold. <i>Inorganic Chemistry Communication</i> , 2010, 13, 208-210.	3.9	1
122	Charging of gold/metal oxide/gold nanocapacitors in a scanning electron microscope. <i>Nanotechnology</i> , 2014, 25, 155703.	2.6	1
123	Adsorption Behavior of Pb(II) Onto Potassium Polytitanate Nanofibres. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 1916-1919.	0.9	1
124	Thermosalience Revealed on the Atomic Scale: Rapid Synchrotron Techniques Uncover Molecular Motion Preceding Crystal Jumping. <i>Crystal Growth and Design</i> , 2022, 22, 1951-1959.	3.0	1
125	Third-order optical nonlinearities of organometallics: influence of dendritic geometry on the nonlinear properties and electrochromic switching of nonlinear absorption. , 2001, , .		0
126	Self-Organized Materials: From Organic molecules to Genetically Engineered Gold-Binding Proteins. , 2006, , .		0

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127	An evaluation of the distribution of metal ions in otherwise uniform titania sol-gel layers designed for optical sensing using laser ablation inductive coupled plasma mass spectroscopy. , 2012, , .		0
128	The nanostructure of silica microfibers fabricated by microfluidic self-assembly. Proceedings of SPIE, 2013, , .	0.8	0
129	TEMPO-Substituted Ionic Liquids As Redox Mediators for High Performance Lithium-Oxygen Batteries. ECS Meeting Abstracts, 2017, , .	0.0	0