

# Paul D Mcnaughter

## List of Publications by Year in descending order

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44  
papers

1,051  
citations

516710

16  
h-index

434195

31  
g-index

46  
all docs

46  
docs citations

46  
times ranked

1898  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanostructured Aptamer-Functionalized Black Phosphorus Sensing Platform for Label-Free Detection of Myoglobin, a Cardiovascular Disease Biomarker. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 22860-22868.	8.0	208
2	In Situ Synthesis of PbS Nanocrystals in Polymer Thin Films from Lead(II) Xanthate and Dithiocarbamate Complexes: Evidence for Size and Morphology Control. <i>Chemistry of Materials</i> , 2015, 27, 2127-2136.	6.7	84
3	Shining a light on transition metal chalcogenides for sustainable photovoltaics. <i>Chemical Science</i> , 2017, 8, 4177-4187.	7.4	84
4	Copper-doped CdSe/ZnS Quantum Dots: Controllable Photoactivated Copper(I) Cation Storage and Release Vectors for Catalysis. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1598-1601.	13.8	58
5	The effect of alkyl chain length on the structure of lead(II) xanthates and their decomposition to PbS in melt reactions. <i>Dalton Transactions</i> , 2016, 45, 16345-16353.	3.3	45
6	Novel Xanthate Complexes for the Size-Controlled Synthesis of Copper Sulfide Nanorods. <i>Inorganic Chemistry</i> , 2017, 56, 9247-9254.	4.0	39
7	Nanoparticle-sulphur inverse vulcanisation-polymer composites. <i>Chemical Communications</i> , 2015, 51, 10467-10470.	4.1	35
8	On the stability of surfactant-stabilised few-layer black phosphorus in aqueous media. <i>RSC Advances</i> , 2016, 6, 86955-86958.	3.6	35
9	3-Aryl-3-(trifluoromethyl)diazirines as Versatile Photoactivated Linker-Molecules for the Improved Covalent Modification of Graphitic and Carbon Nanotube Surfaces. <i>Chemistry of Materials</i> , 2011, 23, 3740-3751.	6.7	32
10	Black phosphorus with near-superhydrophobic properties and long-term stability in aqueous media. <i>Chemical Communications</i> , 2018, 54, 3831-3834.	4.1	28
11	Facile synthesis of a PbS <sub>1-x</sub> Se <sub>x</sub> (0 ≤ x ≤ 1) solid solution using bis(N,N'-diethyl-N,N'-naphthoylchalcogenoureato)lead(II) complexes. <i>New Journal of Chemistry</i> , 2018, 42, 16602-16607.	2.8	27
12	Nickel-Doped Ceria Nanoparticles: The Effect of Annealing on Room Temperature Ferromagnetism. <i>Crystals</i> , 2015, 5, 312-326.	2.2	26
13	The deposition of PbS and PbSe thin films from lead dichalcogenoimidophosphinates by AACVD. <i>Inorganica Chimica Acta</i> , 2016, 453, 439-442.	2.4	23
14	VUV photodissociation dynamics of diatomic gold, Au <sub>2</sub> : A velocity map imaging study at 157nm. <i>Chemical Physics Letters</i> , 2009, 483, 10-15.	2.6	21
15	Doping Group IIB Metal Ions into Quantum Dot Shells via the One-Pot Decomposition of Metal-Dithiocarbamates. <i>Advanced Optical Materials</i> , 2015, 3, 704-712.	7.3	19
16	A SPION-eicosane protective coating for water soluble capsules: Evidence for on-demand drug release triggered by magnetic hyperthermia. <i>Scientific Reports</i> , 2016, 6, 20271.	3.3	19
17	The influence of precursor on rhenium incorporation into Re-doped MoS <sub>2</sub> (Mo <sub>1-x</sub> Re <sub>x</sub> S <sub>2</sub> ) thin films by aerosol-assisted chemical vapour deposition (AACVD). <i>Journal of Materials Chemistry C</i> , 2017, 5, 9044-9052.	5.5	18
18	A Thin Silica-Polymer Shell for Functionalizing Colloidal Inorganic Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10384-10387.	13.8	16

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19	SWCNT photocathodes sensitised with InP/ZnS core-shell nanocrystals. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3379-3384.	5.5	15
20	On-demand, magnetic hyperthermia-triggered drug delivery: optimisation for the GI tract. <i>Journal of Materials Chemistry B</i> , 2016, 4, 1704-1711.	5.8	15
21	PbS x Se1 <sup>x</sup> thin films from the thermal decomposition of lead(II) dodecylxanthate and bis(N,N-diethyl-N <sup>2</sup> -naphthoyselenoureato)lead(II) precursors. <i>Journal of Materials Science</i> , 2018, 53, 4283-4293.	3.7	15
22	High magnetic relaxivity in a fluorescent CdSe/CdS/ZnS quantum dot functionalized with MRI contrast molecules. <i>Chemical Communications</i> , 2017, 53, 10500-10503.	4.1	14
23	Synthesis of (Bi <sub>1-x</sub> Sb <sub>x</sub> ) <sub>2</sub> S <sub>3</sub> solid solutions via thermal decomposition of bismuth and antimony piperidinedithiocarbamates. <i>RSC Advances</i> , 2019, 9, 15836-15844.	3.6	14
24	Synthesis and characterization of carbon nanotubes covalently functionalized with amphiphilic polymer coated superparamagnetic nanocrystals. <i>Journal of Colloid and Interface Science</i> , 2012, 383, 110-117.	9.4	13
25	The <i>in situ</i> synthesis of PbS nanocrystals from lead(II) <i>n</i> -octylxanthate within a 1,3-diisopropenylbenzene-bisphenol A dimethacrylate sulfur copolymer. <i>Royal Society Open Science</i> , 2017, 4, 170383.	2.4	13
26	A low cost synthesis method for functionalised iron oxide nanoparticles for magnetic hyperthermia from readily available materials. <i>Faraday Discussions</i> , 2014, 175, 83-95.	3.2	12
27	Bi-phasic titanium dioxide nanoparticles doped with nitrogen and neodymium for enhanced photocatalysis. <i>Nanoscale</i> , 2015, 7, 17735-17744.	5.6	11
28	Important Phase Control of Indium Sulfide Nanomaterials by Choice of Indium(III) Xanthate Precursor and Thermolysis Temperature. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1421-1432.	2.0	11
29	Enabling electrochemical studies of chemically-modified carbon nanotubes in non-aqueous electrolytes using superparamagnetic nanoparticle-nanotube composites co-modified by diazine molecular ethers. <i>Electrochemistry Communications</i> , 2011, 13, 1139-1142.	4.7	9
30	Plasmonically enhanced electromotive force of narrow bandgap PbS QD-based photovoltaics. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 14818-14827.	2.8	9
31	Full compositional control of PbS <sub>x</sub> Se <sup>x</sup> thin films by the use of acylchalcogourato lead complexes as precursors for AACVD. <i>Dalton Transactions</i> , 2018, 47, 16938-16943.	3.3	8
32	Accessing <sup>3</sup> Ga <sub>2</sub> S <sub>3</sub> by solventless thermolysis of gallium xanthates: a low-temperature limit for crystalline products. <i>Dalton Transactions</i> , 2019, 48, 15605-15612.	3.3	8
33	Tunable structural and optical properties of CuInS <sub>2</sub> colloidal quantum dots as photovoltaic absorbers. <i>RSC Advances</i> , 2021, 11, 21351-21358.	3.6	8
34	Heterometallic 3d-4f Complexes as Air-Stable Molecular Precursors in Low Temperature Syntheses of Stoichiometric Rare-Earth Orthoferrite Powders. <i>Inorganic Chemistry</i> , 2020, 59, 15796-15806.	4.0	7
35	Copper-complexed isonicotinic acid functionalized aluminum oxide nanoparticles. <i>Main Group Chemistry</i> , 2015, 15, 1-15.	0.8	6
36	Controlled aggregation of quantum dot dispersions by added amine bilinkers and effects on hybrid polymer film properties. <i>RSC Advances</i> , 2015, 5, 95512-95522.	3.6	6

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37	Investigating the Effect of Steric Hindrance within CdS Single-Source Precursors on the Material Properties of AACVD and Spin-Coat-Deposited CdS Thin Films. <i>Inorganic Chemistry</i> , 2022, 61, 8206-8216.	4.0	6
38	In Vivo Applications of Inorganic Nanoparticles. , 2011, , 185-220.		5
39	Photoelectrochemical Formation of Polysulfide at PbS QD-Sensitized Plasmonic Electrodes. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5357-5363.	4.6	5
40	Tunable structural, morphological and optical properties of undoped, Mn, Ni and Ag-doped CuInS <sub>2</sub> thin films prepared by AACVD. <i>Materials Science in Semiconductor Processing</i> , 2022, 137, 106224.	4.0	5
41	Precursor determined lateral size control of monolayer MoS <sub>2</sub> nanosheets from a series of alkylammonium thiomolybdates: a reversal of trend between growth media. <i>Chemical Communications</i> , 2017, 53, 6428-6431.	4.1	4
42	Synthesis of molybdenum-doped rhenium disulfide alloy using aerosol-assisted chemical vapour deposition. <i>Materials Science in Semiconductor Processing</i> , 2021, 127, 105718.	4.0	4
43	Structural Investigations of $\hat{\pm}$ -MnS Nanocrystals and Thin Films Synthesized from Manganese(II) Xanthates by Hot Injection, Solvent-Less Thermolysis, and Doctor Blade Routes. <i>ACS Omega</i> , 2021, 6, 27716-27725.	3.5	3
44	Ricinoleic Acid as a Green Alternative to Oleic Acid in the Synthesis of Doped Nanocrystals. <i>ChemistrySelect</i> , 2018, 3, 13548-13552.	1.5	2