

Paul O brien

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

609
papers

22,794
citations

71
h-index

120
g-index

628
ext. papers

24,518
ext. citations

5.6
avg. IF

7
L-index

#	Paper	IF	Citations
609	Tunable structural, morphological and optical properties of undoped, Mn, Ni and Ag-doped CuInS ₂ thin films prepared by AACVD. <i>Materials Science in Semiconductor Processing</i> , 2022 , 137, 106224	4.3	0
608	Structural Investigations of β -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	3.9	
607	Crystal structures and physicochemical studies of some novel divalent and trivalent transition metal chelates of N-morpholine-N'-benzoylthiourea. <i>Journal of Molecular Structure</i> , 2021 , 1229, 129791	3.4	2
606	Synthesis, X-ray Single-Crystal Structural Characterization, and Thermal Analysis of Bis(O-alkylxanthato)Cd(II) and Bis(O-alkylxanthato)Zn(II) Complexes Used as Precursors for Cadmium and Zinc Sulfide Thin Films. <i>Inorganic Chemistry</i> , 2021 , 60, 7573-7583	5.1	2
605	cis-Bis(L-DOPA-N,O)copper(II) monohydrate: synthesis, crystal structure, and approaches to the analysis of pseudosymmetry. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2021 , 77, 383-390	0.8	1
604	Synthesis of CdS and PbS nanoparticles by the thermal decomposition of ethyl xanthate complexes in castor oil using the heat-up technique. <i>Materials Science in Semiconductor Processing</i> , 2021 , 122, 105493	4.3	3
603	Scalable synthesis of Cu-Sb-S phases from reactive melts of metal xanthates and effect of cationic manipulation on structural and optical properties. <i>Scientific Reports</i> , 2021 , 11, 1887	4.9	5
602	Tunable structural and optical properties of CuInS colloidal quantum dots as photovoltaic absorbers.. <i>RSC Advances</i> , 2021 , 11, 21351-21358	3.7	1
601	Inoculum size and traits of the infecting clinical strain define the protection level against Mycobacterium tuberculosis infection in a rabbit model. <i>European Journal of Immunology</i> , 2020 , 50, 858-872	6.1	6
600	Ferromagnetic FeSe from a mixed sulphur-selenium complex of iron [Fe{(SePPhNPPhS)N}] through pyrolysis. <i>Heliyon</i> , 2020 , 6, e03763	3.6	1
599	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	5.1	3
598	Photoelectrochemical Formation of Polysulfide at PbS QD-Sensitized Plasmonic Electrodes. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 5357-5363	6.4	1
597	The deposition of cadmium selenide and cadmium phosphide thin films from cadmium thioselenoimidodiphosphinate by AACVD and the formation of an aromatic species. <i>Dalton Transactions</i> , 2019 , 48, 1436-1442	4.3	4
596	Synthesis of iron sulfide thin films and powders from new xanthate precursors. <i>Journal of Crystal Growth</i> , 2019 , 522, 175-182	1.6	4
595	Synthesis of (Bi Sb) ₂ S solid solutions thermal decomposition of bismuth and antimony piperidinedithiocarbamates.. <i>RSC Advances</i> , 2019 , 9, 15836-15844	3.7	7
594	A Facile Green Synthesis of Ultranarrow PbS Nanorods. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019 , 29, 2274-2281	3.2	1
593	Solid solutions of M ₂ xIn ₂ S ₃ (M = Bi or Sb) by solventless thermolysis. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 5112-5121	7.1	6

592	Fluoroquinolone Efficacy against Tuberculosis Is Driven by Penetration into Lesions and Activity against Resident Bacterial Populations. <i>Antimicrobial Agents and Chemotherapy</i> , 2019 , 63,	5.9	24
591	Accessing EGaS by solventless thermolysis of gallium xanthates: a low-temperature limit for crystalline products. <i>Dalton Transactions</i> , 2019 , 48, 15605-15612	4.3	6
590	A molecular precursor route to quaternary chalcogenide CFTS (CuFeSnS) powders as potential solar absorber materials.. <i>RSC Advances</i> , 2019 , 9, 24146-24153	3.7	12
589	Air-Stable Methylammonium Lead Iodide Perovskite Thin Films Fabricated via Aerosol-Assisted Chemical Vapor Deposition from a Pseudohalide Pb(SCN) ₂ Precursor. <i>ACS Applied Energy Materials</i> , 2019 , 2, 6012-6022	6.1	11
588	Morphological influence of deposition routes on lead sulfide thin films. <i>Inorganica Chimica Acta</i> , 2019 , 498, 119116	2.7	5
587	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 ²⁻³	2.3	7
586	Polar and non-polar structures of NH ₄ TiOF ₃ . <i>Journal of Applied Crystallography</i> , 2019 , 52, 23-26	3.8	6
585	Tailoring Shape and Crystallographic Phase of Copper Sulfide Nanostructures Using Novel Thiourea Complexes as Single Source Precursors. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019 , 29, 917-927	3.2	7
584	Chemical vapor deposition of tin sulfide from diorganotin(IV) dioxanthates. <i>Journal of Materials Science</i> , 2019 , 54, 2315-2323	4.3	16
583	Surface structure, optoelectronic properties and charge transport in ZnO nanocrystal/MDMO-PPV multilayer films. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 12260-12271	3.6	1
582	Heterocyclic lead(II) thioureato complexes as single-source precursors for the aerosol assisted chemical vapour deposition of PbS thin films. <i>Inorganica Chimica Acta</i> , 2018 , 479, 42-48	2.7	15
581	Fully printed high performance humidity sensors based on two-dimensional materials. <i>Nanoscale</i> , 2018 , 10, 5599-5606	7.7	101
580	The deposition of thin films of cadmium zinc sulfide Cd Zn S at 250°C from spin-coated xanthato complexes: a potential route to window layers for photovoltaic cells. <i>Journal of Materials Science</i> , 2018 , 53, 4360-4370	4.3	18
579	Plasmonically enhanced electromotive force of narrow bandgap PbS QD-based photovoltaics. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 14818-14827	3.6	8
578	New Examples of Phase Control in the Preparation of Copper Sulfide Nanoparticles and Deposition of Thin Films by AACVD from Bis(piperidinedithiocarbamato)copper(II) Complex. <i>ChemistrySelect</i> , 2018 , 3, 2943-2950	1.8	17
577	Black phosphorus with near-superhydrophobic properties and long-term stability in aqueous media. <i>Chemical Communications</i> , 2018 , 54, 3831-3834	5.8	22
576	On the phase control of CuInS nanoparticles from Cu-/In-xanthates. <i>Dalton Transactions</i> , 2018 , 47, 5304-5309	4.3	14
575	Deposition of Bi ₂ S ₃ thin films from heterocyclic bismuth(III) dithiocarbamato complexes. <i>Polyhedron</i> , 2018 , 154, 173-181	2.7	11

574	Impact of immunopathology on the antituberculous activity of pyrazinamide. <i>Journal of Experimental Medicine</i> , 2018 , 215, 1975-1986	16.6	19
573	Ambient-air-stable inorganic Cs ₂ SnI ₆ double perovskite thin films via aerosol-assisted chemical vapour deposition. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 11205-11214	13	56
572	Synthesis of nanostructured powders and thin films of iron sulfide from molecular precursors.. <i>RSC Advances</i> , 2018 , 8, 29096-29103	3.7	13
571	Chemical vapour deposition of chromium-doped tungsten disulphide thin films on glass and steel substrates from molecular precursors. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 9537-9544	7.1	6
570	Synthesis of chalcopyrite-type and thiospinel minerals/materials by low temperature melts of xanthates. <i>Dalton Transactions</i> , 2018 , 47, 8870-8873	4.3	26
569	PbS x Se _{1-x} thin films from the thermal decomposition of lead(II) dodecylxanthate and bis(N,N-diethyl-N'-naphthoylselenoureato)lead(II) precursors. <i>Journal of Materials Science</i> , 2018 , 53, 4283-4293	4.3	13
568	The synthesis of a monodisperse quaternary ferrite (FeCoCrO) from the hot injection thermolysis of the single source precursor [CrCoFeO(OCBu)(HOCBu)]. <i>Dalton Transactions</i> , 2018 , 47, 376-381	4.3	6
567	Full compositional control of PbSSe thin films by the use of acylchalcogourato lead(ii) complexes as precursors for AACVD. <i>Dalton Transactions</i> , 2018 , 47, 16938-16943	4.3	5
566	Synthesis of Bi _{2-x} Sb _{2x} S ₃ (0 ≤ x ≤ 1) solid solutions from solventless thermolysis of metal xanthate precursors. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 12652-12659	7.1	19
565	Ricinoleic Acid as a Green Alternative to Oleic Acid in the Synthesis of Doped Nanocrystals. <i>ChemistrySelect</i> , 2018 , 3, 13548-13552	1.8	1
564	Castor oil: a suitable green source of capping agent for nanoparticle syntheses and facile surface functionalization. <i>Royal Society Open Science</i> , 2018 , 5, 180824	3.3	23
563	Facile synthesis of a PbS _{1-x} Sex (0 ≤ x ≤ 1) solid solution using bis(N,N-diethyl-N'-naphthoylchalcogenoureato)lead(II) complexes. <i>New Journal of Chemistry</i> , 2018 , 42, 16602-16607	3.6	24
562	Storage lipid studies in tuberculosis reveal that foam cell biogenesis is disease-specific. <i>PLoS Pathogens</i> , 2018 , 14, e1007223	7.6	41
561	CdS thin films deposition by AACVD: effect of precursor type, decomposition temperature and solvent. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 14462-14470	2.1	12
560	Multiple Exciton Generation and Dynamics in InP/CdS Colloidal Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 2099-2107	3.8	18
559	Formation and Characterization of Model Iron Sulfide Scales with Disulfides and Thiols on Steel Pipeline Materials by an Aerosol-Assisted Chemical Vapor Method. <i>Energy & Fuels</i> , 2017 , 31, 2496-2500	4.1	10
558	CHNHPbI films prepared by combining 1- and 2-step deposition: how crystal growth conditions affect properties. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 7204-7214	3.6	15
557	Single-Source Precursor for Tungsten Dichalcogenide Thin Films: Mo _{1-x} W _x S ₂ (0 ≤ x ≤ 1) Alloys by Aerosol-Assisted Chemical Vapor Deposition. <i>Chemistry of Materials</i> , 2017 , 29, 3858-3862	9.6	19

556	In situ investigation of degradation at organometal halide perovskite surfaces by X-ray photoelectron spectroscopy at realistic water vapour pressure. <i>Chemical Communications</i> , 2017 , 53, 5231-5234	5.8	57
555	Precursor determined lateral size control of monolayer MoS nanosheets from a series of alkylammonium thiomolybdates: a reversal of trend between growth media. <i>Chemical Communications</i> , 2017 , 53, 6428-6431	5.8	3
554	New insights into polymer mediated formation of anatase mesocrystals. <i>CrystEngComm</i> , 2017 , 19, 3281-3287	3.9	9
553	Shining a light on transition metal chalcogenides for sustainable photovoltaics. <i>Chemical Science</i> , 2017 , 8, 4177-4187	9.4	66
552	Characteristics of nanocrystalline thin films of cadmium sulphide deposited at the water-oil interface. <i>Journal of Colloid and Interface Science</i> , 2017 , 496, 474-478	9.3	3
551	Property Self-Optimization During Wear of MoS. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 1953-1958	3.5	10
550	Textured ZnO films from evaporation-triggered aggregation of nanocrystal dispersions and their use in solar cells. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 27081-27089	3.6	3
549	The influence of precursor on rhenium incorporation into Re-doped MoS ₂ (Mo _{1-x} Re _x S ₂) thin films by aerosol-assisted chemical vapour deposition (AACVD). <i>Journal of Materials Chemistry C</i> , 2017 , 5, 9044-9052	7.1	13
548	Magnetic spectroscopy of nanoparticulate greigite, Fe ₃ S ₄ . <i>Mineralogical Magazine</i> , 2017 , 81, 857-872	1.7	4
547	The synthesis of PbS nanocrystals from lead(II) -octylxanthate within a 1,3-diisopropenylbenzene-bisphenol A dimethacrylate sulfur copolymer. <i>Royal Society Open Science</i> , 2017 , 4, 170383	3.3	11
546	High magnetic relaxivity in a fluorescent CdSe/CdS/ZnS quantum dot functionalized with MRI contrast molecules. <i>Chemical Communications</i> , 2017 , 53, 10500-10503	5.8	13
545	Ultrafast Charge Dynamics in Dispersions of Monolayer MoS ₂ Nanosheets. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 22415-22421	3.8	24
544	Dual Functionalization of Liquid-Exfoliated Semiconducting 2H-MoS ₂ with Lanthanide Complexes Bearing Magnetic and Luminescence Properties. <i>Advanced Functional Materials</i> , 2017 , 27, 1703646	15.6	20
543	Novel Xanthate Complexes for the Size-Controlled Synthesis of Copper Sulfide Nanorods. <i>Inorganic Chemistry</i> , 2017 , 56, 9247-9254	5.1	31
542	Updating the road map to metal-halide perovskites for photovoltaics. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 17135-17150	13	23
541	Ethambutol Partitioning in Tuberculous Pulmonary Lesions Explains Its Clinical Efficacy. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	48
540	The effect of temperature on the growth of Ag ₂ O nanoparticles and thin films from bis(2-hydroxy-1-naphthaldehydato)silver(I) complex by the thermal decomposition of spin-coated films. <i>Materials Science in Semiconductor Processing</i> , 2017 , 71, 109-115	4.3	7
539	The synthesis and characterization of CuZnSnS thin films from melt reactions using xanthate precursors. <i>Journal of Materials Science</i> , 2017 , 52, 12761-12771	4.3	21

538	A simple route to complex materials: the synthesis of alkaline earth - transition metal sulfides. <i>Chemical Communications</i> , 2017 , 53, 10058-10061	5.8	11
537	Reducing hole transporter use and increasing perovskite solar cell stability with dual-role polystyrene microgel particles. <i>Nanoscale</i> , 2017 , 9, 10126-10137	7.7	15
536	The influences of the concentrations of green capping agents as stabilizers and of ammonia as an activator in the synthesis of ZnS nanoparticles and their polymer nanocomposites. <i>Green Processing and Synthesis</i> , 2017 , 6,	3.9	3
535	The deposition of PbS and PbSe thin films from lead dichalcogenoimidophosphinates by AACVD. <i>Inorganica Chimica Acta</i> , 2016 , 453, 439-442	2.7	19
534	Asymmetric MoS ₂ /Graphene/Metal Sandwiches: Preparation, Characterization, and Application. <i>Advanced Materials</i> , 2016 , 28, 8256-8264	24	50
533	Aerosol-assisted CVD of cadmium diselenoimidodiphosphinate and formation of a new PrNP ion supported by combined DFT and mass spectrometric studies. <i>Dalton Transactions</i> , 2016 , 45, 18603-18604	4.3	6
532	Synthetic routes to iron chalcogenide nanoparticles and thin films. <i>Dalton Transactions</i> , 2016 , 45, 18803-18812	4.3	33
531	Assembly of Submicron Sized Ag, Co, and Ni Particles Into Thin Films at Liquid/Liquid Interfaces. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 5420-5	1.3	2
530	Chemical vapour deposition of rhenium disulfide and rhenium-doped molybdenum disulfide thin films using single-source precursors. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 2312-2318	7.1	42
529	Synthesis, Properties, and Applications of Transition Metal-Doped Layered Transition Metal Dichalcogenides. <i>Chemistry of Materials</i> , 2016 , 28, 1965-1974	9.6	304
528	Synthesis of Lateral Size-Controlled Monolayer 1H-MoS ₂ @Oleylamine as Supercapacitor Electrodes.. <i>Chemistry of Materials</i> , 2016 , 28, 657-664	9.6	115
527	Heterocyclic dithiocarbamate-iron(III) complexes: single-source precursors for aerosol-assisted chemical vapour deposition (AACVD) of iron sulfide thin films. <i>Dalton Transactions</i> , 2016 , 45, 2647-55	4.3	43
526	High Systemic Exposure of Pyrazinoic Acid Has Limited Antituberculosis Activity in Murine and Rabbit Models of Tuberculosis. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 4197-205	5.9	15
525	Sequential bottom-up and top-down processing for the synthesis of transition metal dichalcogenide nanosheets: the case of rhenium disulfide (ReS ₂). <i>Chemical Communications</i> , 2016 , 52, 7878-81	5.8	36
524	A facile method for the production of SnS thin films from melt reactions. <i>Journal of Materials Science</i> , 2016 , 51, 6166-6172	4.3	33
523	Nanoparticles of Cu ₂ ZnSnS ₄ as performance enhancing additives for organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 5109-5115	7.1	7
522	On the stability of surfactant-stabilised few-layer black phosphorus in aqueous media. <i>RSC Advances</i> , 2016 , 6, 86955-86958	3.7	30
521	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	4.3	40

520	Diatom Frustules as a Biomineralized Scaffold for the Growth of Molybdenum Disulfide Nanosheets. <i>Chemistry of Materials</i> , 2016 , 28, 5582-5586	9.6	13
519	Fullerenes: past, present and future, celebrating the 30th anniversary of Buckminster Fullerene. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016 , 374,	3	3
518	Nanostructured Aptamer-Functionalized Black Phosphorus Sensing Platform for Label-Free Detection of Myoglobin, a Cardiovascular Disease Biomarker. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 22860-8	9.5	164
517	Effect of Chloride Passivation on Recombination Dynamics in CdTe Colloidal Quantum Dots. <i>ChemPhysChem</i> , 2015 , 16, 1239-44	3.2	25
516	Aerosol assisted chemical vapor deposition (AACVD) of CdS thin films from heterocyclic cadmium(II) complexes. <i>Inorganica Chimica Acta</i> , 2015 , 434, 181-187	2.7	20
515	Aerosol assisted chemical vapor deposition of Sb ₂ S ₃ thin films: Environmentally benign solar energy material. <i>Materials Science in Semiconductor Processing</i> , 2015 , 40, 643-649	4.3	19
514	The AACVD of Cu ₂ FeSn(S _x Se _{1-x}) ₄ : potential environmentally benign solar cell materials. <i>New Journal of Chemistry</i> , 2015 , 39, 7046-7053	3.6	16
513	Growth of nanocrystalline thin films of metal sulfides [CdS, ZnS, CuS and PbS] at the water/oil interface. <i>RSC Advances</i> , 2015 , 5, 62291-62299	3.7	9
512	Chemically-specific time-resolved surface photovoltage spectroscopy: Carrier dynamics at the interface of quantum dots attached to a metal oxide. <i>Surface Science</i> , 2015 , 641, 320-325	1.8	11
511	Effects of added thiol ligand structure on aggregation of non-aqueous ZnO dispersions and morphology of spin-coated films. <i>RSC Advances</i> , 2015 , 5, 18565-18577	3.7	4
510	The controlled deposition of Cu ₂ (ZnyFe _{1-y})SnS ₄ , Cu ₂ (ZnyFe _{1-y})SnSe ₄ and Cu ₂ (ZnyFe _{1-y})Sn(S _x Se _{1-x}) ₄ thin films by AACVD: potential solar cell materials based on earth abundant elements. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 5733-5741	7.1	8
509	Host-Mediated Bioactivation of Pyrazinamide: Implications for Efficacy, Resistance, and Therapeutic Alternatives. <i>ACS Infectious Diseases</i> , 2015 , 1, 203-214	5.5	62
508	Bi-phasic titanium dioxide nanoparticles doped with nitrogen and neodymium for enhanced photocatalysis. <i>Nanoscale</i> , 2015 , 7, 17735-44	7.7	11
507	Photoactive composite films prepared from mixtures of polystyrene microgel dispersions and poly(3-hexylthiophene) solutions. <i>Soft Matter</i> , 2015 , 11, 8322-32	3.6	5
506	Transition metal doped pyrite (FeS ₂) thin films: structural properties and evaluation of optical band gap energies. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 12068-12076	7.1	46
505	Ultrafast Charge Dynamics in Trap-Free and Surface-Trapping Colloidal Quantum Dots. <i>Advanced Science</i> , 2015 , 2, 1500088	13.6	28
504	Tin(II) Sulfide (SnS) Nanosheets by Liquid-Phase Exfoliation of Herzenbergite: IV-VI Main Group Two-Dimensional Atomic Crystals. <i>Journal of the American Chemical Society</i> , 2015 , 137, 12689-96	16.4	187
503	The association between sterilizing activity and drug distribution into tuberculosis lesions. <i>Nature Medicine</i> , 2015 , 21, 1223-7	50.5	293

502	Mechanical Properties of Molybdenum Disulfide and the Effect of Doping: An in Situ TEM Study. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 20829-34	9.5	41
501	Synthesis of Nanoparticulate Alloys of the Composition $CuZn(1-x)Fe(x)SnS_4$ Structural, Optical, and Magnetic Properties. <i>Journal of the American Chemical Society</i> , 2015 , 137, 15086-9	16.4	16
500	Thin films of tin(II) sulphide (SnS) by aerosol-assisted chemical vapour deposition (AACVD) using tin(II) dithiocarbamates as single-source precursors. <i>Journal of Crystal Growth</i> , 2015 , 415, 93-99	1.6	65
499	Near-unity quantum yields from chloride treated CdTe colloidal quantum dots. <i>Small</i> , 2015 , 11, 1548-54	11	69
498	Heteroleptic titanium alkoxides as single-source precursors for MOCVD of micro-structured TiO ₂ . <i>Polyhedron</i> , 2015 , 85, 761-769	2.7	2
497	Symmetrical and unsymmetrical nickel(II) complexes of N-(dialkylcarbamothioyl)-nitro substituted benzamide as single-source precursors for deposition of nickel sulfide nanostructured thin films by AACVD. <i>Polyhedron</i> , 2015 , 85, 267-274	2.7	17
496	Photoluminescence: Near-Unity Quantum Yields from Chloride Treated CdTe Colloidal Quantum Dots (Small 13/2015). <i>Small</i> , 2015 , 11, 1482-1482	11	
495	AACVD of Molybdenum Sulfide and Oxide Thin Films From Molybdenum(V)-based Single-source Precursors**. <i>Chemical Vapor Deposition</i> , 2015 , 21, 71-77		20
494	Terbium Oxide, Fluoride, and Oxyfluoride Nanoparticles with Magneto-optical Properties. <i>Bulletin of the Chemical Society of Japan</i> , 2015 , 88, 1453-1458	5.1	4
493	Copper-complexed isonicotinic acid functionalized aluminum oxide nanoparticles. <i>Main Group Chemistry</i> , 2015 , 15, 1-15	0.6	5
492	Special Role for Zinc Stearate and Octadecene in the Synthesis of Luminescent ZnSe Nanocrystals. <i>Chemistry of Materials</i> , 2015 , 27, 3797-3800	9.6	23
491	Nanoparticle-sulphur "inverse vulcanisation" polymer composites. <i>Chemical Communications</i> , 2015 , 51, 10467-70	5.8	32
490	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	3.7	5
489	Surface properties of nanocrystalline PbS films deposited at the water-oil interface: a study of atmospheric aging. <i>Langmuir</i> , 2015 , 31, 1445-53	4	53
488	Ternary cadmium zinc sulphide films with high charge mobilities. <i>Solid State Sciences</i> , 2015 , 40, 50-54	3.4	12
487	Thin Films of Molybdenum Disulfide Doped with Chromium by Aerosol-Assisted Chemical Vapor Deposition (AACVD). <i>Chemistry of Materials</i> , 2015 , 27, 1367-1374	9.6	62
486	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	9.6	77
485	Synthesis of pyrite thin films and transition metal doped pyrite thin films by aerosol-assisted chemical vapour deposition. <i>New Journal of Chemistry</i> , 2015 , 39, 1013-1021	3.6	36

484	Synthesis and characterization of iron tin oxide thin films from single source bimetallic precursors. <i>Polyhedron</i> , 2014 , 69, 40-47	2.7	6
483	Ambient pressure aerosol-assisted chemical vapour deposition of (CH ₃ NH ₂) ₂ PbBr ₂ /an inorganic-organic perovskite important in photovoltaics. <i>Chemical Communications</i> , 2014 , 50, 6319-21	5.8	67
482	A One-Pot Synthesis of Monodispersed Iron Cobalt Oxide and Iron Manganese Oxide Nanoparticles from Bimetallic Pivalate Clusters. <i>Chemistry of Materials</i> , 2014 , 26, 999-1013	9.6	45
481	Production of few-layer phosphorene by liquid exfoliation of black phosphorus. <i>Chemical Communications</i> , 2014 , 50, 13338-41	5.8	556
480	MoS ₂ nanosheet production by the direct exfoliation of molybdenite minerals from several type-localities. <i>RSC Advances</i> , 2014 , 4, 35609-35613	3.7	32
479	On the interaction of copper(II) with disulfiram. <i>Chemical Communications</i> , 2014 , 50, 13334-7	5.8	69
478	Hot injection thermolysis of heterometallic pivalate clusters for the synthesis of monodisperse zinc and nickel ferrite nanoparticles. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 6781-6789	7.1	12
477	The synthesis of metallic and semiconducting nanoparticles from reactive melts of precursors. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 570-580	13	39
476	The aerosol assisted chemical vapour deposition of SnSe and Cu ₂ SnSe ₃ thin films from molecular precursors. <i>Chemical Communications</i> , 2014 , 50, 14328-30	5.8	33
475	Routes to tin chalcogenide materials as thin films or nanoparticles: a potentially important class of semiconductor for sustainable solar energy conversion. <i>Inorganic Chemistry Frontiers</i> , 2014 , 1, 577-598	6.8	72
474	Determination of Internal Structures of Heterogeneous Nanocrystals Using Variable-Energy Photoemission Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 15534-15540	3.8	15
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