

Joanna Kolny-Olesiak

List of Publications by Year in descending order

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69
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citations

172386

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docs citations

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times ranked

4357
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparison of different nanoscopic silver species with respect to their capacity to bind mercury from the gas-phase using total reflection X-ray fluorescence. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 170, 105903.	1.5	6
2	Effects of Particle Size on Strong Metal-Support Interactions Using Colloidal Surfactant-Free Pt Nanoparticles Supported on Fe ₃ O ₄ . <i>ACS Catalysis</i> , 2020, 10, 4136-4150.	5.5	19
3	Recent Advances in the Colloidal Synthesis of Ternary Transition Metal Phosphides. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2019, 74, 709-719.	0.7	13
4	Converting bimetallic (M = Ni, Co, or Fe)-Sn nanoparticles into phosphides: a general strategy for the synthesis of ternary metal phosphide nanocrystals. <i>Nanoscale Advances</i> , 2019, 1, 2663-2673.	2.2	3
5	Surface-Modified Tin Nanoparticles and Their Electrochemical Performance in Lithium Ion Battery Cells. <i>ACS Applied Nano Materials</i> , 2019, 2, 3577-3589.	2.4	19
6	Control of crystallographic phases and surface characterization of intermetallic platinum tin nanoparticles. <i>CrystEngComm</i> , 2019, 21, 3363-3373.	1.3	7
7	Phase Controlled Intermetallic Platinum tin Nanoparticles in Seeded Growth Synthesis for Catalytic Applications. , 2018, , .		0
8	Detailed Characterization of the Surface and Growth Mechanism of Monodisperse Ni ₃ Sn ₄ Nanoparticles. <i>ACS Omega</i> , 2018, 3, 16924-16933.	1.6	7
9	Probing the structure of CuInS ₂ -ZnS core-shell and similar nanocrystals by Raman spectroscopy. <i>Applied Surface Science</i> , 2017, 395, 24-28.	3.1	28
10	Synthesis of faceted Pt nanoparticles on SnO ₂ as an oxygen reduction catalyst. <i>CrystEngComm</i> , 2017, 19, 3666-3673.	1.3	1
11	Synthesis and electrochemical characterization of nano-sized Ag ₄ Sn particles as anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2016, 196, 597-602.	2.6	17
12	Synthesis of CuInS ₂ -ZnS Alloyed Nanorods and Hybrid Nanostructures. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1780, 1.	0.1	1
13	Size Control of Alloyed Cu-In-Zn-S Nanoflowers. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-6.	1.5	3
14	Manganese oxide phases and morphologies: A study on calcination temperature and atmospheric dependence. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 47-59.	1.5	81
15	Size-Dependent Lattice Distortion in Îµ-Ag ₃ Sn Alloy Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2015, 119, 14450-14454.	1.5	10
16	Mechanistic study on the activity of manganese oxide catalysts for oxygen reduction reaction in an aprotic electrolyte. <i>Electrochimica Acta</i> , 2015, 158, 383-389.	2.6	11
17	Critical size for the Î²- to Î±-transformation in tin nanoparticles after lithium insertion and extraction. <i>CrystEngComm</i> , 2015, 17, 3695-3700.	1.3	27
18	Alloyed CuInS ₂ -ZnS nanorods: synthesis, structure and optical properties. <i>CrystEngComm</i> , 2015, 17, 5634-5643.	1.3	34

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19	Photovoltaic response of hybrid solar cells with alloyed ZnS/CuInS ₂ nanorods. <i>Organic Electronics</i> , 2015, 21, 92-99.	1.4	11
20	<i>In situ</i> X-ray diffraction study on the formation of β -Sn in nanocrystalline Sn-based electrodes for lithium-ion batteries. <i>CrystEngComm</i> , 2015, 17, 8500-8504.	1.3	44
21	Synthesis, optical properties, and photochemical activity of zinc-indium-sulfide nanoplates. <i>RSC Advances</i> , 2015, 5, 89577-89585.	1.7	19
22	Colloidal Copper Sulphide Based Nanocrystals as Building Blocks for Self-assembled Nanostructures. <i>Springer Series in Materials Science</i> , 2015, , 177-193.	0.4	0
23	Influence of Sn content on the hydrogenation of crotonaldehyde catalysed by colloiddally prepared PtSn nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 28186-28192.	1.3	15
24	Size-Dependent Strain of Sn/SnO _x Core/Shell Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014, 118, 30238-30243.	1.5	15
25	Role of Copper Sulfide Seeds in the Growth Process of CuInS ₂ Nanorods and Networks. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 20535-20543.	4.0	58
26	Synthesis and Shape Control of Copper Tin Sulphide Nanocrystals and Formation of Gold-Copper Tin Sulphide Hybrid Nanostructures. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2014, 69, 446-450.	0.7	18
27	Synthesis and electrochemical performance of surface-modified nano-sized core/shell tin particles for lithium ion batteries. <i>Nanotechnology</i> , 2014, 25, 355401.	1.3	15
28	Raman Scattering Study of Cu ₃ SnS ₄ Colloidal Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2014, 118, 27554-27558.	1.5	48
29	Size control and shape evolution of single-twinned platinum nanocrystals in a room temperature colloidal synthesis. <i>CrystEngComm</i> , 2014, 16, 9907-9914.	1.3	12
30	Raman scattering in orthorhombic CuInS ₂ nanocrystals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 195-199.	0.8	24
31	Synthesis of copper sulphide-based hybrid nanostructures and their application in shape control of colloidal semiconductor nanocrystals. <i>CrystEngComm</i> , 2014, 16, 9381-9390.	1.3	43
32	Recent Developments in Colloidal Synthesis of CuInSe ₂ Nanoparticles. <i>Chemistry - A European Journal</i> , 2013, 19, 9746-9753.	1.7	39
33	Synthesis and Application of Colloidal CuInS ₂ Semiconductor Nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 12221-12237.	4.0	407
34	Pt/Sn Intermetallic, Core/Shell and Alloy Nanoparticles: Colloidal Synthesis and Structural Control. <i>Chemistry of Materials</i> , 2013, 25, 1400-1407.	3.2	88
35	Impact of Organic Ligands on the Structure and Hydrogenation Performance of Colloidally Prepared Bimetallic PtSn Nanoparticles. <i>ChemCatChem</i> , 2013, 5, 1803-1810.	1.8	12
36	Selective Growth of Gold onto Copper Indium Sulfide Selenide Nanoparticles. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2013, 68, 398-404.	0.7	5

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37	Shape Control of CdTe Nanocrystals: Influence of the Solvent Composition and Ligand Effects. <i>Journal of Nanoparticles</i> , 2013, 2013, 1-7.	1.4	13
38	Phonon Spectra of Small Colloidal II-VI Semiconductor Nanocrystals. <i>International Journal of Spectroscopy</i> , 2012, 2012, 1-6.	1.4	26
39	Investigation of the morphology and electrical characteristics of hybrid blends based on poly(3-hexylthiophene) and colloidal CuInS ₂ nanocrystals of different shapes. <i>Organic Electronics</i> , 2012, 13, 3154-3164.	1.4	34
40	Synthesis of lead chalcogenide nanocrystals and study of charge transfer in blends of PbSe nanocrystals and poly(3-hexylthiophene). <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 11706.	1.3	16
41	Size and Shape Control of Colloidal Copper(I) Sulfide Nanorods. <i>ACS Nano</i> , 2012, 6, 5889-5896.	7.3	129
42	Copper-assisted shape control in colloidal synthesis of indium oxide nanoparticles. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	18
43	Physical Origin of the Impact of Different Nanocrystal Surface Modifications on the Performance of CdSe/P3HT Hybrid Solar Cells. <i>Journal of Physical Chemistry C</i> , 2011, 115, 14111-14122.	1.5	89
44	Charge transfer in blends of P3HT and colloidally prepared CuInS ₂ nanocrystals. <i>Thin Solid Films</i> , 2011, 519, 7374-7377.	0.8	17
45	Influence of particle size in hybrid solar cells composed of CdSe nanocrystals and poly(3-hexylthiophene). <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	31
46	Colloidal Synthesis and Structural Control of PtSn Bimetallic Nanoparticles. <i>Langmuir</i> , 2011, 27, 11052-11061.	1.6	55
47	Investigations of solvents and various sulfur sources influence on the shape-controlled synthesis of CuInS ₂ nanocrystals. <i>Journal of Nanoparticle Research</i> , 2011, 13, 5815-5824.	0.8	42
48	Shape control of CdTe nanocrystals synthesized in presence of in situ formed CdO particles. <i>Journal of Nanoparticle Research</i> , 2011, 13, 6963-6970.	0.8	10
49	Catalyst-free synthesis and shape control of CdTe nanowires. <i>Nano Research</i> , 2011, 4, 824-835.	5.8	21
50	Phonon Raman spectra of colloidal CdTe nanocrystals: effect of size, non-stoichiometry and ligand exchange. <i>Nanoscale Research Letters</i> , 2011, 6, 79.	3.1	64
51	The influence of pyridine ligand onto the structure and phonon spectra of CdSe nanocrystals. <i>Journal of Applied Physics</i> , 2011, 109, 084334.	1.1	36
52	Morphology control of copper indium disulfide nanocrystals. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1324, 45.	0.1	2
53	Surface Treatment of CdSe Nanoparticles for Application in Hybrid Solar Cells: The Effect of Multiple Ligand Exchange with Pyridine. <i>Journal of Physical Chemistry C</i> , 2010, 114, 12784-12791.	1.5	194
54	Colloidally Prepared Pt Nanoparticles for Heterogeneous Gas-Phase Catalysis: Influence of Ligand Shell and Catalyst Loading on CO Oxidation Activity. <i>ChemCatChem</i> , 2010, 2, 198-205.	1.8	35

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55	Synthesis and Shape Control of CuInS ₂ Nanoparticles. Journal of the American Chemical Society, 2010, 132, 15976-15986.	6.6	273
56	Spectral features above LO phonon frequency in resonant Raman scattering spectra of small CdSe nanoparticles. Journal of Applied Physics, 2009, 106, .	1.1	67
57	Photoinduced Charge Transfer and Relaxation of Persistent Charge Carriers in Polymer/Nanocrystal Composites for Applications in Hybrid Solar Cells. Advanced Functional Materials, 2009, 19, 3788-3795.	7.8	96
58	Study of the influence of the Cd:Se precursor ratio during the synthesis of CdSe nanocrystals on the performance of CdSe/P3HT hybrid solar cells. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 2700-2708.	0.8	2
59	Resonant Raman study of phonons in high-quality colloidal CdTe nanoparticles. Applied Physics Letters, 2009, 94, .	1.5	43
60	Colloidal Synthesis of Pt Nanoparticles: On the Formation and Stability of Nanowires. Langmuir, 2008, 24, 9011-9016.	1.6	31
61	Ligand removal from soluble CdTe nanocrystals evidenced by time-resolved photoluminescence spectroscopy. Journal Physics D: Applied Physics, 2008, 41, 102004.	1.3	19
62	Optical Properties of CdTe Nanocrystal Quantum Dots, Grown in the Presence of Cd ⁰ Nanoparticles. Journal of Physical Chemistry C, 2007, 111, 10841-10847.	1.5	30
63	The Growth of Colloidal Cadmium Telluride Nanocrystal Quantum Dots in the Presence of Cd ⁰ Nanoparticles. Journal of Physical Chemistry C, 2007, 111, 10336-10341.	1.5	82
64	Ligand-Capped Pt Nanocrystals as Oxide-Supported Catalysts: FTIR Spectroscopic Investigations of the Adsorption and Oxidation of CO. Angewandte Chemie - International Edition, 2007, 46, 2923-2926.	7.2	55
65	Synthesis and characterization of brightly photoluminescent CdTe nanocrystals. Surface Science, 2007, 601, 2667-2670.	0.8	25
66	A new Approach for the Preparation of High Quality CdTe Nanocrystals and their Optical Characterization. ECS Transactions, 2006, 2, 79-86.	0.3	0
67	Multilayered Nanoheterostructures: Theory and Experiment. Journal of Physical Chemistry B, 2004, 108, 1578-1583.	1.2	28
68	Self-Organization of Cadmium Sulfide and Gold Nanoparticles by Electrostatic Interaction. Nano Letters, 2002, 2, 361-364.	4.5	128
69	Investigations on the stability of thiol stabilized semiconductor nanoparticles. Physical Chemistry Chemical Physics, 2002, 4, 4747-4753.	1.3	66