

Alina M Schimpf

List of Publications by Year in descending order

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28
papers

1,525
citations

331670

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Colloidal Synthesis of Tunable Copper Phosphide Nanocrystals. <i>Chemistry of Materials</i> , 2021, 33, 1394-1406.	6.7	14
2	Photochemical reduction of nanocrystalline maghemite to magnetite. <i>Nanoscale</i> , 2021, 13, 17465-17472.	5.6	6
3	Cation-Controlled Assembly of Polyoxotungstate-Based Coordination Networks. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16609-16615.	13.8	31
4	Cation-Controlled Assembly of Polyoxotungstate-Based Coordination Networks. <i>Angewandte Chemie</i> , 2020, 132, 16752.	2.0	22
5	Manipulation of Precursor Reactivity for the Facile Synthesis of Heterostructured and Hollow Metal Selenide Nanocrystals. <i>Chemistry of Materials</i> , 2020, 32, 2304-2312.	6.7	11
6	Using ligands to control reactivity, size and phase in the colloidal synthesis of WSe_2 nanocrystals. <i>Chemical Communications</i> , 2019, 55, 8856-8859.	4.1	27
7	Co^{2+} -Linked $[NaP_5W_{30}O_{110}]^{14-}$: A Redox-Active Metal Oxide Framework with High Electron Density. <i>Journal of the American Chemical Society</i> , 2019, 141, 4553-4557.	13.7	35
8	Tunable Metal Oxide Frameworks via Coordination Assembly of Preyssler-Type Molecular Clusters. <i>Journal of the American Chemical Society</i> , 2019, 141, 20261-20268.	13.7	28
9	Cyclotron Splittings in the Plasmon Resonances of Electronically Doped Semiconductor Nanocrystals Probed by Magnetic Circular Dichroism Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 1831-1836.	4.6	29
10	Comment on "HgS and HgS/CdS Colloidal Quantum Dots with Infrared Intraband Transitions and Emergence of a Surface Plasmon". <i>Journal of Physical Chemistry C</i> , 2016, 120, 28900-28902.	3.1	4
11	Proton-Controlled Reduction of ZnO Nanocrystals: Effects of Molecular Reductants, Cations, and Thermodynamic Limitations. <i>Journal of the American Chemical Society</i> , 2016, 138, 1377-1385.	13.7	47
12	Redox Chemistries and Plasmon Energies of Photodoped In_2O_3 and Sn-Doped In_2O_3 (ITO) Nanocrystals. <i>Journal of the American Chemical Society</i> , 2015, 137, 518-524.	13.7	132
13	Drug Modulation of Water-Heme Interactions in Low-Spin P450 Complexes of CYP2C9d and CYP125A1. <i>Biochemistry</i> , 2015, 54, 1198-1207.	2.5	18
14	Surface Contributions to Mn^{2+} Spin Dynamics in Colloidal Doped Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 457-463.	4.6	25
15	Electronic Doping and Redox-Potential Tuning in Colloidal Semiconductor Nanocrystals. <i>Accounts of Chemical Research</i> , 2015, 48, 1929-1937.	15.6	111
16	Charge-State Control of Mn^{2+} Spin Relaxation Dynamics in Colloidal n -Type $Zn^{1-x}Mn_xO$ Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1748-1753.	4.6	17
17	Redox Potentials of Colloidal n -Type ZnO Nanocrystals: Effects of Confinement, Electron Density, and Fermi-Level Pinning by Aldehyde Hydrogenation. <i>Journal of the American Chemical Society</i> , 2015, 137, 11163-11169.	13.7	47
18	Size Dependence of Negative Trion Auger Recombination in Photodoped CdSe Nanocrystals. <i>Nano Letters</i> , 2014, 14, 353-358.	9.1	67

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19	Charge-Tunable Quantum Plasmons in Colloidal Semiconductor Nanocrystals. ACS Nano, 2014, 8, 1065-1072.	14.6	134
20	Theoretical Characterization of Conduction-Band Electrons in Photodoped and Aluminum-Doped Zinc Oxide (AZO) Quantum Dots. Journal of Physical Chemistry C, 2014, 118, 26584-26590.	3.1	31
21	Low Capping Group Surface Density on Zinc Oxide Nanocrystals. ACS Nano, 2014, 8, 9463-9470.	14.6	64
22	Strength of Axial Water Ligation in Substrate-Free Cytochrome P450s Is Isoform Dependent. Biochemistry, 2014, 53, 1428-1434.	2.5	24
23	Nb-Doped Colloidal TiO ₂ Nanocrystals with Tunable Infrared Absorption. Chemistry of Materials, 2013, 25, 3383-3390.	6.7	177
24	Controlling Carrier Densities in Photochemically Reduced Colloidal ZnO Nanocrystals: Size Dependence and Role of the Hole Quencher. Journal of the American Chemical Society, 2013, 135, 16569-16577.	13.7	117
25	Photochemical Electronic Doping of Colloidal CdSe Nanocrystals. Journal of the American Chemical Society, 2013, 135, 18782-18785.	13.7	132
26	Size-Dependent Trap-Assisted Auger Recombination in Semiconductor Nanocrystals. Nano Letters, 2013, 13, 1810-1815.	9.1	89
27	Thermal Tuning and Inversion of Excitonic Zeeman Splittings in Colloidal Doped CdSe Quantum Dots. Journal of Physical Chemistry Letters, 2012, 3, 1264-1268.	4.6	16
28	Comparison of extra electrons in colloidal n-type Al ³⁺ -doped and photochemically reduced ZnO nanocrystals. Chemical Communications, 2012, 48, 9352.	4.1	70