

Charles J Barrows

List of Publications by Year in descending order

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759233

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#	ARTICLE	IF	CITATIONS
1	Excitonic Zeeman splittings in colloidal CdSe quantum dots doped with single magnetic impurities. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5232-5238.	5.5	21
2	Electrical Detection of Quantum Dot Hot Electrons Generated via a Mn ²⁺ -Enhanced Auger Process. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 126-130.	4.6	20
3	Single Magnetic Impurities in Colloidal Quantum Dots and Magic-Size Clusters. <i>Chemistry of Materials</i> , 2017, 29, 8023-8036.	6.7	31
4	Current-Induced Magnetic Polarons in a Colloidal Quantum-Dot Device. <i>Nano Letters</i> , 2017, 17, 4768-4773.	9.1	22
5	Kinetics of Isovalent (Cd ²⁺) and Aliovalent (In ³⁺) Cation Exchange in Cd _{1-x} Mn _x Se Nanocrystals. <i>Journal of the American Chemical Society</i> , 2016, 138, 12885-12893.	13.7	30
6	Giant Excitonic Exchange Splittings at Zero Field in Single Colloidal CdSe Quantum Dots Doped with Individual Mn ²⁺ Impurities. <i>Nano Letters</i> , 2016, 16, 6371-6377.	9.1	50
7	Tuning Equilibrium Compositions in Colloidal Cd _{1-x} Mn _x Se Nanocrystals Using Diffusion Doping and Cation Exchange. <i>ACS Nano</i> , 2016, 10, 910-918.	14.6	45
8	Electronic Structure of a Cu ^{II} -Alkoxide Complex Modeling Intermediates in Copper-Catalyzed Alcohol Oxidations. <i>Journal of the American Chemical Society</i> , 2016, 138, 4132-4145.	13.7	12
9	Absorption and Magnetic Circular Dichroism Analyses of Giant Zeeman Splittings in Diffusion-Doped Colloidal Cd _{1-x} Mn _x Se Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 3076-3081.	4.6	42
10	Picosecond Dynamics of Excitonic Magnetic Polarons in Colloidal Diffusion-Doped Cd _{1-x} Mn _x Se Quantum Dots. <i>ACS Nano</i> , 2015, 9, 11177-11191.	14.6	52
11	Valence-Band Mixing Effects in the Upper-Excited-State Magneto-Optical Responses of Colloidal Mn ²⁺ -Doped CdSe Quantum Dots. <i>ACS Nano</i> , 2014, 8, 12669-12675.	14.6	16
12	Nanocrystal Diffusion Doping. <i>Journal of the American Chemical Society</i> , 2013, 135, 14380-14389.	13.7	159
13	Effect of Ca ²⁺ and Zn ²⁺ on UO ₂ Dissolution Rates. <i>Environmental Science & Technology</i> , 2012, 46, 2731-2737.	10.0	31