

# Charles J Barrows

## List of Publications by Year in descending order

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13  
papers

531  
citations

759233

12  
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1125743

13  
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14  
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14  
docs citations

14  
times ranked

878  
citing authors

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