

Rachel Fainblat

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature dependence of Fano resonances in CrPS4. <i>Journal of Chemical Physics</i> , 2022, 156, 054707.	3.0	5
2	Orientation of Individual Anisotropic Nanocrystals Identified by Polarization Fingerprint. <i>ACS Nano</i> , 2021, 15, 13579-13590.	14.6	2
3	Nanoconfinementâ€Controlled Synthesis of Highly Active, Multinary Nanoplatelet Catalysts from Lamellar Magicâ€Sized Nanocluster Templates. <i>Advanced Functional Materials</i> , 2021, 31, 2107447.	14.9	11
4	Using Redox Titrations to Probe the Role of Trivalent Impurity Ions in the Ferromagnetism of Colloidal EuS Nanocrystals. <i>Chemistry of Materials</i> , 2020, 32, 8633-8640.	6.7	0
5	Directed Exciton Magnetic Polaron Formation in a Single Colloidal Mn ²⁺ :CdSe/CdS Quantum Dot. <i>Nano Letters</i> , 2020, 20, 1896-1906.	9.1	20
6	Tailoring exchange interactions in magnetically doped II-VI nanocrystals. , 2020, , 271-304.		1
7	Giant band splittings in EuS and EuSe magnetic semiconductor nanocrystals. <i>Chemical Communications</i> , 2020, 56, 5843-5846.	4.1	5
8	Impurity incorporation and exchange interactions in Co ²⁺ -doped CdSe/CdS core/shell nanoplatelets. <i>Journal of Chemical Physics</i> , 2019, 151, 224708.	3.0	4
9	Mid-Gap States and Normal vs Inverted Bonding in Luminescent Cu ⁺ - and Ag ⁺ -Doped CdSe Nanocrystals. <i>Journal of the American Chemical Society</i> , 2017, 139, 6411-6421.	13.7	88
10	Chemical Synthesis, Doping, and Transformation of Magic-Sized Semiconductor Alloy Nanoclusters. <i>Journal of the American Chemical Society</i> , 2017, 139, 6761-6770.	13.7	84
11	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
12	Single Magnetic Impurities in Colloidal Quantum Dots and Magic-Size Clusters. <i>Chemistry of Materials</i> , 2017, 29, 8023-8036.	6.7	31
13	A Selective Cation Exchange Strategy for the Synthesis of Colloidal Yb ³⁺ -Doped Chalcogenide Nanocrystals with Strong Broadband Visible Absorption and Long-Lived Near-Infrared Emission. <i>Journal of the American Chemical Society</i> , 2017, 139, 11814-11824.	13.7	77
14	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
15	Digital Doping in Magic-Sized CdSe Clusters. <i>ACS Nano</i> , 2016, 10, 7135-7141.	14.6	49
16	Route to the Smallest Doped Semiconductor: Mn ²⁺ -Doped (CdSe) ₁₃ Clusters. <i>Journal of the American Chemical Society</i> , 2015, 137, 12776-12779.	13.7	91
17	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
18	Quantum Confinement-Controlled Exchange Coupling in Manganese(II)-Doped CdSe Two-Dimensional Quantum Well Nanoribbons. <i>Nano Letters</i> , 2012, 12, 5311-5317.	9.1	31

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19	Two-dimensional higher order noise spectroscopy up to radio frequencies. Review of Scientific Instruments, 2010, 81, 125101.	1.3	11