Rachel Fainblat

List of Publications by Year
in descending order

19	597	840776 11	888059 17
papers	citations	h-index	g-index

19	19	19	907
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Route to the Smallest Doped Semiconductor: Mn²⁺-Doped (CdSe)₁₃ Clusters. Journal of the American Chemical Society, 2015, 137, 12776-12779.	13.7	91
2	Mid-Gap States and Normal vs Inverted Bonding in Luminescent Cu⁺-Âand Ag⁺-Doped CdSe Nanocrystals. Journal of the American Chemical Society, 2017, 139, 6411-6421.	13.7	88
3	Chemical Synthesis, Doping, and Transformation of Magic-Sized Semiconductor Alloy Nanoclusters. Journal of the American Chemical Society, 2017, 139, 6761-6770.	13.7	84
4	A Selective Cation Exchange Strategy for the Synthesis of Colloidal Yb³⁺-Doped Chalcogenide Nanocrystals with Strong Broadband Visible Absorption and Long-Lived Near-Infrared Emission. Journal of the American Chemical Society, 2017, 139, 11814-11824.	13.7	77
5	Giant Excitonic Exchange Splittings at Zero Field in Single Colloidal CdSe Quantum Dots Doped with Individual Mn²⁺ Impurities. Nano Letters, 2016, 16, 6371-6377.	9.1	50
6	Digital Doping in Magic-Sized CdSe Clusters. ACS Nano, 2016, 10, 7135-7141.	14.6	49
7	Quantum Confinement-Controlled Exchange Coupling in Manganese(II)-Doped CdSe Two-Dimensional Quantum Well Nanoribbons. Nano Letters, 2012, 12, 5311-5317.	9.1	31
8	Single Magnetic Impurities in Colloidal Quantum Dots and Magic-Size Clusters. Chemistry of Materials, 2017, 29, 8023-8036.	6.7	31
9	Excitonic Zeeman splittings in colloidal CdSe quantum dots doped with single magnetic impurities. Journal of Materials Chemistry C, 2017, 5, 5232-5238.	5.5	21
10	Directed Exciton Magnetic Polaron Formation in a Single Colloidal Mn²⁺:CdSe/CdS Quantum Dot. Nano Letters, 2020, 20, 1896-1906.	9.1	20
11	Valence-Band Mixing Effects in the Upper-Excited-State Magneto-Optical Responses of Colloidal Mn²⁺-Doped CdSe Quantum Dots. ACS Nano, 2014, 8, 12669-12675.	14.6	16
12	Two-dimensional higher order noise spectroscopy up to radio frequencies. Review of Scientific Instruments, 2010, 81, 125101.	1.3	11
13	Nanoconfinementâ€Controlled Synthesis of Highly Active, Multinary Nanoplatelet Catalysts from Lamellar Magicâ€Sized Nanocluster Templates. Advanced Functional Materials, 2021, 31, 2107447.	14.9	11
14	Giant band splittings in EuS and EuSe magnetic semiconductor nanocrystals. Chemical Communications, 2020, 56, 5843-5846.	4.1	5
15	Temperature dependence of Fano resonances in CrPS4. Journal of Chemical Physics, 2022, 156, 054707.	3.0	5
16	Impurity incorporation and exchange interactions in Co2+-doped CdSe/CdS core/shell nanoplatelets. Journal of Chemical Physics, 2019, 151, 224708.	3.0	4
17	Orientation of Individual Anisotropic Nanocrystals Identified by Polarization Fingerprint. ACS Nano, 2021, 15, 13579-13590.	14.6	2
18	Tailoring exchange interactions in magnetically doped II-VI nanocrystals. , 2020, , 271-304.		1

#	Article	IF	Citations
19	Using Redox Titrations to Probe the Role of Trivalent Impurity Ions in the Ferromagnetism of Colloidal EuS Nanocrystals. Chemistry of Materials, 2020, 32, 8633-8640.	6.7	0