

Mark J Fernee

List of Publications by Year in descending order

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24
papers

769
citations

687335

13
h-index

677123

22
g-index

25
all docs

25
docs citations

25
times ranked

982
citing authors

#	ARTICLE	IF	CITATIONS
1	Cryogenic single nanocrystal spectroscopy: reading the spectral fingerprint of individual CdSe quantum dots. Proceedings of SPIE, 2014, , .	0.8	0
2	Spectroscopy of single nanocrystals. Chemical Society Reviews, 2014, 43, 1311.	38.1	84
3	Tailoring the Exciton Fine Structure of Cadmium Selenide Nanocrystals with Shape Anisotropy and Magnetic Field. ACS Nano, 2014, 8, 11651-11656.	14.6	23
4	State Selective Pumping Reveals Spin-Relaxation Pathways in CdSe Quantum Dots. Nano Letters, 2014, 14, 4480-4485.	9.1	13
5	The optical phonon spectrum of CdSe colloidal quantum dots. Physical Chemistry Chemical Physics, 2014, 16, 16957.	2.8	12
6	The ultimate limit to the emission linewidth of single nanocrystals. Nanotechnology, 2013, 24, 465703.	2.6	12
7	Cryogenic Single-Nanocrystal Spectroscopy: Reading the Spectral Fingerprint of Individual CdSe Quantum Dots. Journal of Physical Chemistry Letters, 2013, 4, 609-618.	4.6	35
8	Comment on "Spin-Flip Limited Exciton Dephasing in CdSe/ZnS Colloidal Quantum Dots". Physical Review Letters, 2012, 109, 229701; author reply 229702.	7.8	6
9	Magneto-optical properties of trions in non-blinking charged nanocrystals reveal an acoustic phonon bottleneck. Nature Communications, 2012, 3, 1287.	12.8	53
10	Spontaneous Spectral Diffusion in CdSe Quantum Dots. Journal of Physical Chemistry Letters, 2012, 3, 1716-1720.	4.6	54
11	Anomalous Power Laws of Spectral Diffusion in Quantum Dots: A Connection to Luminescence Intermittency. Physical Review Letters, 2010, 105, 167402.	7.8	34
12	Charge hopping revealed by jitter correlations in the photoluminescence spectra of single CdSe nanocrystals. Physical Review B, 2010, 81, .	3.2	24
13	Exciton ⁺ Trion Transitions in Single CdSe ⁺ CdS Core ⁺ Shell Nanocrystals. ACS Nano, 2009, 3, 2281-2287.	14.6	131
14	High-Resolution Line Width Measurement of Single CdSe Nanocrystals at Long Time Scales. Journal of Physical Chemistry C, 2009, 113, 5345-5348.	3.1	10
15	Detection of Bright Trion States Using the Fine Structure Emission of Single CdSe/ZnS Colloidal Quantum Dots. ACS Nano, 2009, 3, 3762-3768.	14.6	50
16	Bistable Switching between Low and High Absorbance States in Oleate-Capped PbS Quantum Dots. ACS Nano, 2009, 3, 2731-2739.	14.6	9
17	Acoustic Phonon Contributions to the Emission Spectrum of Single CdSe Nanocrystals. Journal of Physical Chemistry C, 2008, 112, 1878-1884.	3.1	71
18	Unconventional photoluminescence upconversion from PbS quantum dots. Applied Physics Letters, 2007, 91, .	3.3	24

#	ARTICLE	IF	CITATIONS
19	Origin of the Large Homogeneous Line Widths Obtained from Strongly Quantum Confined PbS Nanocrystals at Room Temperature. <i>Journal of Physical Chemistry C</i> , 2007, 111, 4984-4989.	3.1	35
20	Highly efficient luminescence from a hybrid state found in strongly quantum confined PbS nanocrystals. <i>Nanotechnology</i> , 2006, 17, 956-962.	2.6	71
21	Quantum gate based on Stark tunable nanocrystal interactions with ultrahigh-Q [∞] field modes in fused silica microcavities. <i>Physical Review B</i> , 2006, 74, .	3.2	6
22	Sensitive detection of nitric oxide using seeded parametric four-wave mixing. <i>Journal of Chemical Physics</i> , 1998, 108, 6291-6302.	3.0	4
23	Sensitive detection of sodium in a flame using parametric four-wave mixing and seeded parametric four-wave mixing. <i>Physical Review A</i> , 1998, 57, 2802-2813.	2.5	0
24	Infrared Seeded Parametric Four-Wave Mixing for Sensitive Detection of Molecules. <i>Physical Review Letters</i> , 1997, 79, 2046-2049.	7.8	8