

Benoit Dubertret

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

6,423
citations

393982

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676716

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docs citations

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times ranked

8202
citing authors

#	ARTICLE	IF	CITATIONS
1	Exciton Binding Energy in CdSe Nanoplatelets Measured by One- and Two-Photon Absorption. <i>Nano Letters</i> , 2021, 21, 10525-10531.	4.5	27
2	Single and Double Electron Spin-Flip Raman Scattering in CdSe Colloidal Nanoplatelets. <i>Nano Letters</i> , 2020, 20, 517-525.	4.5	21
3	Charge Separation Dynamics in CdSe/CdS Core/Shell Nanoplatelets Addressed by Coherent Electron Spin Precession. <i>ACS Nano</i> , 2020, 14, 7237-7244.	7.3	19
4	Surface spin magnetism controls the polarized exciton emission from CdSe nanoplatelets. <i>Nature Nanotechnology</i> , 2020, 15, 277-282.	15.6	32
5	Negatively Charged Excitons in CdSe Nanoplatelets. <i>Nano Letters</i> , 2020, 20, 1370-1377.	4.5	58
6	Addressing the exciton fine structure in colloidal nanocrystals: the case of CdSe nanoplatelets. <i>Nanoscale</i> , 2018, 10, 646-656.	2.8	89
7	Electron and Hole g -Factors and Spin Dynamics of Negatively Charged Excitons in CdSe/CdS Colloidal Nanoplatelets with Thick Shells. <i>Nano Letters</i> , 2018, 18, 373-380.	4.5	50
8	A novel type of quantum dot-transferrin conjugate using DNA hybridization mimics intracellular recycling of endogenous transferrin. <i>Nanoscale</i> , 2017, 9, 15453-15460.	2.8	7
9	Two-Dimensional Colloidal Nanocrystals. <i>Chemical Reviews</i> , 2016, 116, 10934-10982.	23.0	412
10	Quantum dots-DNA bioconjugates: synthesis to applications. <i>Interface Focus</i> , 2016, 6, 20160064.	1.5	78
11	Temporary Charge Carrier Separation Dominates the Photoluminescence Decay Dynamics of Colloidal CdSe Nanoplatelets. <i>Nano Letters</i> , 2016, 16, 2047-2053.	4.5	103
12	Fast, Efficient, and Stable Conjugation of Multiple DNA Strands on Colloidal Quantum Dots. <i>Bioconjugate Chemistry</i> , 2015, 26, 1582-1589.	1.8	42
13	Spin dynamics of negatively charged excitons in CdSe/CdS colloidal nanocrystals. <i>Physical Review B</i> , 2013, 88, .	1.1	64
14	Highly Enhanced Affinity of Multidentate versus Bidentate Zwitterionic Ligands for Long-Term Quantum Dot Bioimaging. <i>Langmuir</i> , 2012, 28, 15177-15184.	1.6	105
15	Comparing Intracellular Stability and Targeting of Sulfobetaine Quantum Dots with Other Surface Chemistries in Live Cells. <i>Small</i> , 2012, 8, 1029-1037.	5.2	45
16	Small and Stable Sulfobetaine Zwitterionic Quantum Dots for Functional Live-Cell Imaging. <i>Journal of the American Chemical Society</i> , 2010, 132, 4556-4557.	6.6	223
17	Quasi 2D Colloidal CdSe Platelets with Thicknesses Controlled at the Atomic Level. <i>Journal of the American Chemical Society</i> , 2008, 130, 16504-16505.	6.6	662
18	Synthesis, encapsulation, purification and coupling of single quantum dots in phospholipid micelles for their use in cellular and in vivo imaging. <i>Nature Protocols</i> , 2007, 2, 2383-2390.	5.5	155

#	ARTICLE	IF	CITATIONS
19	DNA detectives. Nature Materials, 2005, 4, 797-798.	13.3	49
20	In Vivo Imaging of Quantum Dots Encapsulated in Phospholipid Micelles. Science, 2002, 298, 1759-1762.	6.0	2,961
21	Single-mismatch detection using gold-quenched fluorescent oligonucleotides. Nature Biotechnology, 2001, 19, 365-370.	9.4	1,204
22	Dynamics of DNA-Protein Interaction Deduced from in vitro DNA Evolution. Physical Review Letters, 2001, 86, 6022-6025.	2.9	17