

Louis Biadala

List of Publications by Year in descending order

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papers

888
citations

687363

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794594

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all docs

20
docs citations

20
times ranked

1230
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum Dot Acceptors in Two-Dimensional Epitaxially Fused PbSe Quantum Dot Superlattices. ACS Nano, 2022, 16, 3081-3091.	14.6	10
2	Van Hove Singularities and Trap States in Two-Dimensional CdSe Nanoplatelets. Nano Letters, 2021, 21, 1702-1708.	9.1	9
3	Single-Electron Tunneling PbS/InP Heterostructure Nanoplatelets for Synaptic Operations. ACS Applied Materials & Interfaces, 2021, 13, 38450-38457.	8.0	3
4	The dark exciton ground state promotes photon-pair emission in individual perovskite nanocrystals. Nature Communications, 2020, 11, 6001.	12.8	67
5	Surface spin magnetism controls the polarized exciton emission from CdSe nanoplatelets. Nature Nanotechnology, 2020, 15, 277-282.	31.5	32
6	Negatively Charged Excitons in CdSe Nanoplatelets. Nano Letters, 2020, 20, 1370-1377.	9.1	58
7	Account of the diversity of tunneling spectra at the germanene/Al(111) interface. Journal of Physics Condensed Matter, 2020, 32, 055002.	1.8	2
8	Hyperfine Interactions and Slow Spin Dynamics in Quasi-isotropic InP-based Core/Shell Colloidal Nanocrystals. ACS Nano, 2019, 13, 10201-10209.	14.6	8
9	Trap-Free Heterostructure of PbS Nanoplatelets on InP(001) by Chemical Epitaxy. ACS Nano, 2019, 13, 1961-1967.	14.6	7
10	Resolving the Controversial Existence of Silicene and Germanene Nanosheets Grown on Graphite. ACS Nano, 2018, 12, 4754-4760.	14.6	35
11	Addressing the exciton fine structure in colloidal nanocrystals: the case of CdSe nanoplatelets. Nanoscale, 2018, 10, 646-656.	5.6	89
12	Electron and Hole g-Factors and Spin Dynamics of Negatively Charged Excitons in CdSe/CdS Colloidal Nanoplatelets with Thick Shells. Nano Letters, 2018, 18, 373-380.	9.1	50
13	Magnetic polaron on dangling-bond spins in CdSe colloidal nanocrystals. Nature Nanotechnology, 2017, 12, 569-574.	31.5	44
14	Negatively Charged and Dark Excitons in CsPbBr ₃ Perovskite Nanocrystals Revealed by High Magnetic Fields. Nano Letters, 2017, 17, 6177-6183.	9.1	103
15	Band-Edge Exciton Fine Structure and Recombination Dynamics in InP/ZnS Colloidal Nanocrystals. ACS Nano, 2016, 10, 3356-3364.	14.6	65
16	Recombination Dynamics of Band Edge Excitons in Quasi-Two-Dimensional CdSe Nanoplatelets. Nano Letters, 2014, 14, 1134-1139.	9.1	109
17	Tuning Energy Splitting and Recombination Dynamics of Dark and Bright Excitons in CdSe/CdS Dot-in-Rod Colloidal Nanostructures. Journal of Physical Chemistry C, 2014, 118, 22309-22316.	3.1	42
18	Spin dynamics of negatively charged excitons in CdSe/CdS colloidal nanocrystals. Physical Review B, 2013, 88, .	3.2	64

#	ARTICLE	IF	CITATIONS
19	Phonon Line Emission Revealed by Self-Assembly of Colloidal Nanoplatelets. ACS Nano, 2013, 7, 3332-3340.	14.6	90
20	Assessing the insulating properties of an ultrathin SrTiO3 shell grown around GaAs nanowires with molecular beam epitaxy. Nanotechnology, 0, , .	2.6	1