

Louis Biadala

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

888
citations

687363

13
h-index

794594

19
g-index

20
all docs

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docs citations

20
times ranked

1230
citing authors

#	ARTICLE	IF	CITATIONS
1	Recombination Dynamics of Band Edge Excitons in Quasi-Two-Dimensional CdSe Nanoplatelets. <i>Nano Letters</i> , 2014, 14, 1134-1139.	9.1	109
2	Negatively Charged and Dark Excitons in CsPbBr ₃ Perovskite Nanocrystals Revealed by High Magnetic Fields. <i>Nano Letters</i> , 2017, 17, 6177-6183.	9.1	103
3	Phonon Line Emission Revealed by Self-Assembly of Colloidal Nanoplatelets. <i>ACS Nano</i> , 2013, 7, 3332-3340.	14.6	90
4	Addressing the exciton fine structure in colloidal nanocrystals: the case of CdSe nanoplatelets. <i>Nanoscale</i> , 2018, 10, 646-656.	5.6	89
5	The dark exciton ground state promotes photon-pair emission in individual perovskite nanocrystals. <i>Nature Communications</i> , 2020, 11, 6001.	12.8	67
6	Band-Edge Exciton Fine Structure and Recombination Dynamics in InP/ZnS Colloidal Nanocrystals. <i>ACS Nano</i> , 2016, 10, 3356-3364.	14.6	65
7	Spin dynamics of negatively charged excitons in CdSe/CdS colloidal nanocrystals. <i>Physical Review B</i> , 2013, 88, .	3.2	64
8	Negatively Charged Excitons in CdSe Nanoplatelets. <i>Nano Letters</i> , 2020, 20, 1370-1377.	9.1	58
9	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.	9.1	50
10	Magnetic polaron on dangling-bond spins in CdSe colloidal nanocrystals. <i>Nature Nanotechnology</i> , 2017, 12, 569-574.	31.5	44
11	Tuning Energy Splitting and Recombination Dynamics of Dark and Bright Excitons in CdSe/CdS Dot-in-Rod Colloidal Nanostructures. <i>Journal of Physical Chemistry C</i> , 2014, 118, 22309-22316.	3.1	42
12	Resolving the Controversial Existence of Silicene and Germanene Nanosheets Grown on Graphite. <i>ACS Nano</i> , 2018, 12, 4754-4760.	14.6	35
13	Surface spin magnetism controls the polarized exciton emission from CdSe nanoplatelets. <i>Nature Nanotechnology</i> , 2020, 15, 277-282.	31.5	32
14	Quantum Dot Acceptors in Two-Dimensional Epitaxially Fused PbSe Quantum Dot Superlattices. <i>ACS Nano</i> , 2022, 16, 3081-3091.	14.6	10
15	Van Hove Singularities and Trap States in Two-Dimensional CdSe Nanoplatelets. <i>Nano Letters</i> , 2021, 21, 1702-1708.	9.1	9
16	Hyperfine Interactions and Slow Spin Dynamics in Quasi-isotropic InP-based Core/Shell Colloidal Nanocrystals. <i>ACS Nano</i> , 2019, 13, 10201-10209.	14.6	8
17	Trap-Free Heterostructure of PbS Nanoplatelets on InP(001) by Chemical Epitaxy. <i>ACS Nano</i> , 2019, 13, 1961-1967.	14.6	7
18	Single-Electron Tunneling PbS/InP Heterostructure Nanoplatelets for Synaptic Operations. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 38450-38457.	8.0	3

#	ARTICLE	IF	CITATIONS
19	Account of the diversity of tunneling spectra at the germanene/Al(111) interface. Journal of Physics Condensed Matter, 2020, 32, 055002.	1.8	2
20	Assessing the insulating properties of an ultrathin SrTiO3 shell grown around GaAs nanowires with molecular beam epitaxy. Nanotechnology, 0, , .	2.6	1