

Guillaume H V Bertrand

List of Publications by Year in descending order

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27
papers

1,056
citations

623734

14
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526287

27
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29
all docs

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docs citations

29
times ranked

1632
citing authors

#	ARTICLE	IF	CITATIONS
1	From Sintering to Particle Discrimination: New Opportunities in Metal-Organic Frameworks Scintillators. <i>Advanced Photonics Research</i> , 2022, 3, .	3.6	7
2	Pan-lanthanides method for plastic doping, application in photophysics, and scintillation with proof of photoelectric event occurrences. <i>Polymers for Advanced Technologies</i> , 2021, 32, 748-754.	3.2	3
3	Preparation and characterization of cross-linked plastic scintillators. <i>Polymer</i> , 2021, 213, 123214.	3.8	7
4	Tuning the decay time of liquid scintillators. <i>Journal of Luminescence</i> , 2021, 235, 118021.	3.1	2
5	Unravelling the true MOF-5 luminescence. <i>RSC Advances</i> , 2020, 10, 18418-18422.	3.6	15
6	Tuning trion binding energy and oscillator strength in a laterally finite 2D system: CdSe nanoplatelets as a model system for trion properties. <i>Nanoscale</i> , 2020, 12, 14448-14458.	5.6	37
7	CdSe/CdS/CdTe Core/Barrier/Crown Nanoplatelets: Synthesis, Optoelectronic Properties, and Multiphoton Fluorescence Upconversion. <i>ACS Nano</i> , 2020, 14, 4206-4215.	14.6	36
8	Size-dependent exciton substructure in CdSe nanoplatelets and its relation to photoluminescence dynamics. <i>Nanoscale</i> , 2019, 11, 12230-12241.	5.6	19
9	Large solubility of lithium carboxylates reaching high rates of ^{6}Li incorporation in polystyrene-based plastic scintillators for fast/thermal neutron and gamma ray detection. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1626-1631.	5.9	11
10	$^{6}\text{Li}_2^{10}\text{B}_4\text{O}_7$ NPs-loaded plastic scintillators for fast/thermal neutron and gamma ray detection. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1574-1579.	5.9	8
11	The role of the secondary fluorophore in ternary plastic scintillators aiming at discriminating fast neutrons from gamma-rays. <i>Journal of Luminescence</i> , 2019, 213, 67-74.	3.1	7
12	Tuning the decay time of plastic scintillators. <i>Dyes and Pigments</i> , 2019, 165, 112-116.	3.7	4
13	A comparative study demonstrates strong size tunability of carrier-phonon coupling in CdSe-based 2D and OD nanocrystals. <i>Nanoscale</i> , 2019, 11, 3958-3967.	5.6	24
14	Synthesis of Air-Stable CdSe/ZnS Core-Shell Nanoplatelets with Tunable Emission Wavelength. <i>Chemistry of Materials</i> , 2017, 29, 5671-5680.	6.7	96
15	Large irradiation doses can improve the fast neutron/gamma discriminating capability of plastic scintillators. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 28105-28115.	2.8	6
16	Structural Variation of Carbazole Derivatives for Plastic Scintillation Applications. <i>ChemPhotoChem</i> , 2017, 1, 451-458.	3.0	7
17	Gadolinium-loaded Plastic Scintillators for Thermal Neutron Detection using Compensation. <i>IEEE Transactions on Nuclear Science</i> , 2016, 63, 1551-1564.	2.0	12
18	Shape control of zincblende CdSe nanoplatelets. <i>Chemical Communications</i> , 2016, 52, 11975-11978.	4.1	92

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19	p -State Luminescence in CdSe Nanoplatelets: Role of Lateral Confinement and a Longitudinal Optical Phonon Bottleneck. <i>Physical Review Letters</i> , 2016, 116, 116802.	7.8	68
20	<i>N</i> -(2-Ethylhexyl)carbazole: A New Fluorophore Highly Suitable as a Monomolecular Liquid Scintillator. <i>Chemistry - A European Journal</i> , 2016, 22, 12074-12080.	3.3	9
21	Compensated bismuth-loaded plastic scintillators for neutron detection using low-energy pseudo-spectroscopy. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 819, 25-32.	1.6	12
22	Understanding the behaviour of different metals in loaded scintillators: discrepancy between gadolinium and bismuth. <i>Journal of Materials Chemistry C</i> , 2015, 3, 6006-6011.	5.5	29
23	X-ray detection capability of bismuth-loaded plastic scintillators. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 102202.	1.5	18
24	Pulse shape discrimination between (fast or thermal) neutrons and gamma rays with plastic scintillators: State of the art. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 776, 114-128.	1.6	97
25	Current Status on Plastic Scintillators Modifications. <i>Chemistry - A European Journal</i> , 2014, 20, 15660-15685.	3.3	107
26	Thiophene-based covalent organic frameworks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4923-4928.	7.1	291
27	An Improved Protocol for the Synthesis of $[(\text{C}_4\text{R}_4)_5\text{Co}(\text{C}_5\text{H}_5)]$ Complexes. <i>Organometallics</i> , 2012, 31, 126-132.	2.3	32