GÃ©raud Delport

List of Publications by Year
in descending order

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27	699	516215 16	552369 26
papers	citations	h-index	g-index

28	28	28	1635
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Revealing Nanomechanical Domains and Their Transient Behavior in Mixedâ€Halide Perovskite Films. Advanced Functional Materials, 2021, 31, 2100293.	7.8	23
2	Local Energy Landscape Drives Long-Range Exciton Diffusion in Two-Dimensional Halide Perovskite Semiconductors. Journal of Physical Chemistry Letters, 2021, 12, 4003-4011.	2.1	14
3	Rational Passivation of Sulfur Vacancy Defects in Two-Dimensional Transition Metal Dichalcogenides. ACS Nano, 2021, 15, 8780-8789.	7.3	52
4	Mechanistic insight into the chemical treatments of monolayer transition metal disulfides for photoluminescence enhancement. Nature Communications, 2021, 12, 6044.	5.8	17
5	Defects in Hybrid Perovskites: The Secret of Efficient Charge Transport (Adv. Funct. Mater. 48/2021). Advanced Functional Materials, 2021, 31, 2170355.	7.8	2
6	Visualizing Buried Local Carrier Diffusion in Halide Perovskite Crystals via Two-Photon Microscopy. ACS Energy Letters, 2020, 5, 117-123.	8.8	37
7	Directed Energy Transfer from Monolayer WS₂ to Near-Infrared Emitting PbSâ€“CdS Quantum Dots. ACS Nano, 2020, 14, 15374-15384.	7.3	28
8	Impact of Mesoporous Silicon Template Pore Dimension and Surface Chemistry on Methylammonium Lead Trihalide Perovskite Photophysics. Advanced Materials Interfaces, 2020, 7, 2001138.	1.9	1
9	Structural and spectroscopic studies of a nanostructured siliconâ€“perovskite interface. Nanoscale, 2020, 12, 4498-4505.	2.8	4
10	Imaging Carrier Transport Properties in Halide Perovskites using Timeâ€Resolved Optical Microscopy. Advanced Energy Materials, 2020, 10, 1903814.	10.2	21
11	Directing random lasing emission using cavity exciton-polaritons. Optics Express, 2020, 28, 39739.	1.7	7
12	Excitonâ€“Exciton Annihilation in Two-Dimensional Halide Perovskites at Room Temperature. Journal of Physical Chemistry Letters, 2019, 10, 5153-5159.	2.1	74
13	Enhancing Photoluminescence and Mobilities in WS₂ Monolayers with Oleic Acid Ligands. Nano Letters, 2019, 19, 6299-6307.	4.5	80
14	Controlling the Growth Kinetics and Optoelectronic Properties of 2D/3D Leadâ€“Tin Perovskite Heterojunctions. Advanced Materials, 2019, 31, e1905247.	11.1	36
15	Room-Temperature Cavity Polaritons with 3D Hybrid Perovskite: Toward Large-Surface Polaritonic Devices. ACS Photonics, 2019, 6, 1804-1811.	3.2	30
16	Correlative AFM-FLIM Measurements in Living Cells, Tissues and in Solar Cell Materials. Biophysical Journal, 2019, 116, 327a.	0.2	0
17	Fermi level shift in carbon nanotubes by dye confinement. Carbon, 2019, 149, 772-780.	5.4	17
18	Controlling the kinetics of the non-covalent functionalization of carbon nanotubes using sub-cmc dilutions in a co-surfactant environment. Nanoscale, 2017, 9, 2646-2651.	2.8	6

#	Article	IF	Citations
19	Fluorescence from graphene nanoribbons of well-defined structure. Carbon, 2017, 119, 235-240.	5.4	30
20	Impact of Reabsorption on the Emission Spectra and Recombination Dynamics of Hybrid Perovskite Single Crystals. Journal of Physical Chemistry Letters, 2017, 8, 2977-2983.	2.1	79
21	Davydov Splitting and Self-Organization in a Porphyrin Layer Noncovalently Attached to Single Wall Carbon Nanotubes. Nano Letters, 2017, 17, 6778-6782.	4.5	8
22	Single layer nano graphene platelets derived from graphite nanofibres. Nanoscale, 2016, 8, 8810-8818.	2.8	19
23	Thermodynamics study of the noncovalent functionalization of surfactant suspended graphene nanosheets with porphyrin molecules. Physica Status Solidi (B): Basic Research, 2016, 253, 2373-2376.	0.7	1
24	Diameter-selective non-covalent functionalization of carbon nanotubes with porphyrin monomers. Nanoscale, 2016, 8, 2326-2332.	2.8	18
25	Strong reduction of exciton-phonon coupling in single-wall carbon nanotubes of high crystalline quality: Insight into broadening mechanisms and exciton localization. Physical Review B, 2015, 91, .	1.1	14
26	Chirality Dependence of the Absorption Cross Section of Carbon Nanotubes. Physical Review Letters, 2013, 111, 137402.	2.9	37
27	Functionalization of Carbon Nanotubes through Polymerization in Micelles: A Bridge between the Covalent and Noncovalent Methods. Chemistry of Materials, 2013, 25, 2700-2707.	3.2	42