

GÃ©raud Delpont

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9039762/publications.pdf>

Version: 2024-02-01

27
papers

699
citations

516215

16
h-index

552369

26
g-index

28
all docs

28
docs citations

28
times ranked

1635
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing Photoluminescence and Mobilities in WS ₂ Monolayers with Oleic Acid Ligands. Nano Letters, 2019, 19, 6299-6307.	4.5	80
2	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
3	Exciton-Exciton Annihilation in Two-Dimensional Halide Perovskites at Room Temperature. Journal of Physical Chemistry Letters, 2019, 10, 5153-5159.	2.1	74
4	Rational Passivation of Sulfur Vacancy Defects in Two-Dimensional Transition Metal Dichalcogenides. ACS Nano, 2021, 15, 8780-8789.	7.3	52
5	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
6	Chirality Dependence of the Absorption Cross Section of Carbon Nanotubes. Physical Review Letters, 2013, 111, 137402.	2.9	37
7	Visualizing Buried Local Carrier Diffusion in Halide Perovskite Crystals via Two-Photon Microscopy. ACS Energy Letters, 2020, 5, 117-123.	8.8	37
8	Controlling the Growth Kinetics and Optoelectronic Properties of 2D/3D Lead-Tin Perovskite Heterojunctions. Advanced Materials, 2019, 31, e1905247.	11.1	36
9	Fluorescence from graphene nanoribbons of well-defined structure. Carbon, 2017, 119, 235-240.	5.4	30
10	Room-Temperature Cavity Polaritons with 3D Hybrid Perovskite: Toward Large-Surface Polaritonic Devices. ACS Photonics, 2019, 6, 1804-1811.	3.2	30
11	Directed Energy Transfer from Monolayer WS ₂ to Near-Infrared Emitting PbS-CdS Quantum Dots. ACS Nano, 2020, 14, 15374-15384.	7.3	28
12	Revealing Nanomechanical Domains and Their Transient Behavior in Mixed-Halide Perovskite Films. Advanced Functional Materials, 2021, 31, 2100293.	7.8	23
13	Imaging Carrier Transport Properties in Halide Perovskites using Time-Resolved Optical Microscopy. Advanced Energy Materials, 2020, 10, 1903814.	10.2	21
14	Single layer nano graphene platelets derived from graphite nanofibres. Nanoscale, 2016, 8, 8810-8818.	2.8	19
15	Diameter-selective non-covalent functionalization of carbon nanotubes with porphyrin monomers. Nanoscale, 2016, 8, 2326-2332.	2.8	18
16	Fermi level shift in carbon nanotubes by dye confinement. Carbon, 2019, 149, 772-780.	5.4	17
17	Mechanistic insight into the chemical treatments of monolayer transition metal disulfides for photoluminescence enhancement. Nature Communications, 2021, 12, 6044.	5.8	17
18	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

#	ARTICLE	IF	CITATIONS
19	Local Energy Landscape Drives Long-Range Exciton Diffusion in Two-Dimensional Halide Perovskite Semiconductors. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4003-4011.	2.1	14
20	Davydov Splitting and Self-Organization in a Porphyrin Layer Noncovalently Attached to Single Wall Carbon Nanotubes. <i>Nano Letters</i> , 2017, 17, 6778-6782.	4.5	8
21	Directing random lasing emission using cavity exciton-polaritons. <i>Optics Express</i> , 2020, 28, 39739.	1.7	7
22	Controlling the kinetics of the non-covalent functionalization of carbon nanotubes using sub-cmc dilutions in a co-surfactant environment. <i>Nanoscale</i> , 2017, 9, 2646-2651.	2.8	6
23	Structural and spectroscopic studies of a nanostructured siliconâ€perovskite interface. <i>Nanoscale</i> , 2020, 12, 4498-4505.	2.8	4
24	Defects in Hybrid Perovskites: The Secret of Efficient Charge Transport (<i>Adv. Funct. Mater.</i> 48/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170355.	7.8	2
25	Thermodynamics study of the noncovalent functionalization of surfactant suspended graphene nanosheets with porphyrin molecules. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 2373-2376.	0.7	1
26	Impact of Mesoporous Silicon Template Pore Dimension and Surface Chemistry on Methylammonium Lead Trihalide Perovskite Photophysics. <i>Advanced Materials Interfaces</i> , 2020, 7, 2001138.	1.9	1
27	Correlative AFM-FLIM Measurements in Living Cells, Tissues and in Solar Cell Materials. <i>Biophysical Journal</i> , 2019, 116, 327a.	0.2	0