

Philipp Reineck

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

2,794
citations

201674

27
h-index

175258

52
g-index

69
all docs

69
docs citations

69
times ranked

5090
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeting cell surface glycans with lectin-coated fluorescent nanodiamonds. <i>Nanoscale Advances</i> , 2022, 4, 1551-1564.	4.6	10
2	Proximal nitrogen reduces the fluorescence quantum yield of nitrogen-vacancy centres in diamond. <i>New Journal of Physics</i> , 2022, 24, 033053.	2.9	10
3	Large Area Ultrathin InN and Tin Doped InN Nanosheets Featuring 2D Electron Gases. <i>ACS Nano</i> , 2022, 16, 5476-5486.	14.6	8
4	Ultrasmall Nanodiamonds: Perspectives and Questions. <i>ACS Nano</i> , 2022, 16, 8513-8524.	14.6	19
5	The effect of discrete wavelengths of visible light on the developing murine embryo. <i>Journal of Assisted Reproduction and Genetics</i> , 2022, 39, 1825-1837.	2.5	5
6	Multimodal Imaging and Soft X-ray Tomography of Fluorescent Nanodiamonds in Cancer Cells. <i>Biotechnology Journal</i> , 2021, 16, e2000289.	3.5	12
7	The effect of salt and particle concentration on the dynamic self-assembly of detonation nanodiamonds in water. <i>Nanoscale</i> , 2021, 13, 14110-14118.	5.6	11
8	Acoustomicrofluidic Synthesis of Pristine Ultrathin $\text{Ti}_3\text{C}_2\text{Tx}$ MXene Nanosheets and Quantum Dots. <i>ACS Nano</i> , 2021, 15, 12099-12108.	14.6	46
9	Fluorescent Silicon Carbide Nanoparticles. <i>Advanced Optical Materials</i> , 2021, 9, 2100311.	7.3	13
10	Infrared erbium photoluminescence enhancement in silicon carbide nano-pillars. <i>Journal of Applied Physics</i> , 2021, 130, .	2.5	10
11	Mono- to few-layer non-van der Waals 2D lanthanide-doped NaYF_4 nanosheets with upconversion luminescence. <i>2D Materials</i> , 2021, 8, 015005.	4.4	3
12	Acoustomicrofluidic Concentration and Signal Enhancement of Fluorescent Nanodiamond Sensors. <i>Analytical Chemistry</i> , 2021, 93, 16133-16141.	6.5	12
13	The Biomolecular Corona in 2D and Reverse: Patterning Metal-Phenolic Networks on Proteins, Lipids, Nucleic Acids, Polysaccharides, and Fingerprints. <i>Advanced Functional Materials</i> , 2020, 30, 1905805.	14.9	33
14	3D-Printed Diamond-Titanium Composite: A Hybrid Material for Implant Engineering. <i>ACS Applied Bio Materials</i> , 2020, 3, 29-36.	4.6	24
15	Electrospun Nanodiamond-Silk Fibroin Membranes: A Multifunctional Platform for Biosensing and Wound-Healing Applications. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 48408-48419.	8.0	50
16	Near-Infrared Fluorescence from Silicon- and Nickel-Based Color Centers in High-Pressure High-Temperature Diamond Micro- and Nanoparticles. <i>Advanced Optical Materials</i> , 2020, 8, 2001047.	7.3	11
17	Fluorescent Nanodiamonds Embedded in Poly- μ -Caprolactone Fibers as Biomedical Scaffolds. <i>ACS Applied Nano Materials</i> , 2020, 3, 10814-10822.	5.0	10
18	Fluorescent diamond microparticle doped glass fiber for magnetic field sensing. <i>APL Materials</i> , 2020, 8, .	5.1	24

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19	Multifunctional Smart Fabrics through Nanodiamond-Polyaniline Nanocomposites. ACS Applied Polymer Materials, 2020, 2, 4848-4855.	4.4	20
20	BrainPhys neuronal medium optimized for imaging and optogenetics in vitro. Nature Communications, 2020, 11, 5550.	12.8	18
21	Fluorescence and Physico-Chemical Properties of Hydrogenated Detonation Nanodiamonds. Journal of Carbon Research, 2020, 6, 7.	2.7	8
22	Dynamic self-assembly of detonation nanodiamond in water. Nanoscale, 2020, 12, 5363-5367.	5.6	34
23	Microfluidics and Microanalytics to Facilitate Quantitative Assessment of Human Embryo Physiology. , 2019, , 557-566.		1
24	Encapsulation, Visualization and Expression of Genes with Biomimetically Mineralized Zeolitic Imidazolate Frameworks (ZIFs). Small, 2019, 15, e1902268.	10.0	95
25	Gene Therapy: Encapsulation, Visualization and Expression of Genes with Biomimetically Mineralized Zeolitic Imidazolate Frameworks (ZIFs) (Small 36/2019). Small, 2019, 15, 1970193.	10.0	4
26	Not All Fluorescent Nanodiamonds Are Created Equal: A Comparative Study. Particle and Particle Systems Characterization, 2019, 36, 1900009.	2.3	56
27	Brilliant blue, green, yellow, and red fluorescent diamond particles: synthesis, characterization, and multiplex imaging demonstrations. Nanoscale, 2019, 11, 11584-11595.	5.6	22
28	The effect of particle size on nanodiamond fluorescence and colloidal properties in biological media. Nanotechnology, 2019, 30, 385704.	2.6	30
29	Engineering the Interface: Nanodiamond Coating on 3D-Printed Titanium Promotes Mammalian Cell Growth and Inhibits <i>Staphylococcus aureus</i> Colonization. ACS Applied Materials & Interfaces, 2019, 11, 24588-24597.	8.0	60
30	UV plasmonic properties of colloidal liquid-metal eutectic gallium-indium alloy nanoparticles. Scientific Reports, 2019, 9, 5345.	3.3	61
31	Utilising Glycobiology for Fluorescent Nanodiamond Uptake and Imaging in the Central Nervous System. , 2019, , .		2
32	Spiropyran-Based Nanocarrier: A New Zn ²⁺ -Responsive Delivery System with Real-Time Intracellular Sensing Capabilities. Chemistry - A European Journal, 2019, 25, 854-862.	3.3	17
33	Increased nitrogen-vacancy centre creation yield in diamond through electron beam irradiation at high temperature. Carbon, 2019, 143, 714-719.	10.3	65
34	High-fat diet worsens the impact of aging on microglial function and morphology in a region-specific manner. Neurobiology of Aging, 2019, 74, 121-134.	3.1	52
35	Electrospun diamond-silk membranes for biosensing applications. , 2019, , .		2
36	Microdiamond-doped lead-silicate glass optical fibre for remote magnetometry. , 2019, , .		1

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37	The effect of nitrogen concentration on quantum sensing with nitrogen-vacancy centres. , 2019, , .		0
38	Multicolor fluorescent nanodiamonds for bioimaging. , 2019, , .		0
39	Oxygen-deficient photostable Cu ₂ O for enhanced visible light photocatalytic activity. Nanoscale, 2018, 10, 6039-6050.	5.6	115
40	Visible to near-IR fluorescence from single-digit detonation nanodiamonds: excitation wavelength and pH dependence. Scientific Reports, 2018, 8, 2478.	3.3	37
41	Extremely rapid isotropic irradiation of nanoparticles with ions generated in situ by a nuclear reaction. Nature Communications, 2018, 9, 4467.	12.8	18
42	Super-multiplexed fluorescence microscopy via photostability contrast. Biomedical Optics Express, 2018, 9, 2943.	2.9	27
43	Fluorescent single-digit detonation nanodiamond for biomedical applications. Methods and Applications in Fluorescence, 2018, 6, 035010.	2.3	32
44	Bioimaging: Near-Infrared Fluorescent Nanomaterials for Bioimaging and Sensing (Advanced Optical) Tj ETQq0 0 0,ggBT /Overlock 10 T	7.3	2
45	Stimulated emission from nitrogen-vacancy centres in diamond. Nature Communications, 2017, 8, 14000.	12.8	60
46	Theoretical and experimental investigation of point defects in cubic boron nitride. MRS Advances, 2017, 2, 1545-1550.	0.9	3
47	Bright and photostable nitrogen-vacancy fluorescence from unprocessed detonation nanodiamond. Nanoscale, 2017, 9, 497-502.	5.6	56
48	Rationally Designed Probe for Reversible Sensing of Zinc and Application in Cells. ACS Omega, 2017, 2, 6201-6210.	3.5	20
49	Effect of Surface Chemistry on the Fluorescence of Detonation Nanodiamonds. ACS Nano, 2017, 11, 10924-10934.	14.6	98
50	An organic fluorophore-nanodiamond hybrid sensor for photostable imaging and orthogonal, on-demand biosensing. Scientific Reports, 2017, 7, 15967.	3.3	14
51	Magnetic field-induced enhancement of the nitrogen-vacancy fluorescence quantum yield. Nanoscale, 2017, 9, 9299-9304.	5.6	15
52	Near-Infrared Fluorescent Nanomaterials for Bioimaging and Sensing. Advanced Optical Materials, 2017, 5, 1600446.	7.3	128
53	Fluorescent color centers in laser ablated 4H-SiC nanoparticles. Optics Letters, 2017, 42, 1297.	3.3	29
54	Bleaching-Assisted Multichannel Microscopy. , 2017, , .		0

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55	Brightness and Photostability of Emerging Red and Near-IR Fluorescent Nanomaterials for Bioimaging. <i>Advanced Optical Materials</i> , 2016, 4, 1549-1557.	7.3	104
56	Plasmonic Hot Electron Solar Cells: The Effect of Nanoparticle Size on Quantum Efficiency. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4137-4141.	4.6	105
57	Graphene-based active slow surface plasmon polaritons. <i>Scientific Reports</i> , 2015, 5, 8443.	3.3	134
58	Light-Driven Transformation Processes of Anisotropic Silver Nanoparticles. <i>ACS Nano</i> , 2013, 7, 5911-5921.	14.6	59
59	Distance and Wavelength Dependent Quenching of Molecular Fluorescence by Au@SiO ₂ Core-Shell Nanoparticles. <i>ACS Nano</i> , 2013, 7, 6636-6648.	14.6	211
60	DNA-Directed Self-Assembly of Core-Satellite Plasmonic Nanostructures: A Highly Sensitive and Reproducible Near-IR SERS Sensor. <i>Advanced Functional Materials</i> , 2013, 23, 1519-1526.	14.9	150
61	A Solid-State Plasmonic Solar Cell via Metal Nanoparticle Self-Assembly. <i>Advanced Materials</i> , 2012, 24, 4750-4755.	21.0	212
62	Thermophoresis of single stranded DNA. <i>Electrophoresis</i> , 2010, 31, 279-286.	2.4	82
63	Optical Thermophoresis for Quantifying the Buffer Dependence of Aptamer Binding. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2238-2241.	13.8	203
64	Multi-coloured fluorescent sensing toolbox for selective detection of Nitroxyl in vitro and ex vivo. <i>Sensors & Diagnostics</i> , 0, , .	3.8	1