

Anke Krueger

List of Publications by Year in descending order

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39
papers

2,527
citations

346980

22
h-index

325983

40
g-index

41
all docs

41
docs citations

41
times ranked

3556
citing authors

#	ARTICLE	IF	CITATIONS
1	Functionality is Key: Recent Progress in the Surface Modification of Nanodiamond. <i>Advanced Functional Materials</i> , 2012, 22, 890-906.	7.8	501
2	New Carbon Materials: Biological Applications of Functionalized Nanodiamond Materials. <i>Chemistry - A European Journal</i> , 2008, 14, 1382-1390.	1.7	399
3	A General Procedure to Functionalize Agglomerating Nanoparticles Demonstrated on Nanodiamond. <i>ACS Nano</i> , 2009, 3, 2288-2296.	7.3	202
4	Deagglomeration and functionalisation of detonation diamond. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 2881-2887.	0.8	124
5	Beyond the shine: recent progress in applications of nanodiamond. <i>Journal of Materials Chemistry</i> , 2011, 21, 12571.	6.7	106
6	Release and bioactivity of bone morphogenetic protein-2 are affected by scaffold binding techniques in vitro and in vivo. <i>Journal of Controlled Release</i> , 2015, 197, 148-157.	4.8	102
7	Pushing the Functionality of Diamond Nanoparticles to New Horizons: Orthogonally Functionalized Nanodiamond Using Click Chemistry. <i>Advanced Functional Materials</i> , 2011, 21, 494-500.	7.8	99
8	Deagglomeration and surface modification of thermally annealed nanoscale diamond. <i>Journal of Colloid and Interface Science</i> , 2011, 354, 23-30.	5.0	91
9	Saccharide-Modified Nanodiamond Conjugates for the Efficient Detection and Removal of Pathogenic Bacteria. <i>Chemistry - A European Journal</i> , 2012, 18, 6485-6492.	1.7	91
10	Toward Deep Blue Nano Hope Diamonds: Heavily Boron-Doped Diamond Nanoparticles. <i>ACS Nano</i> , 2014, 8, 5757-5764.	7.3	80
11	Playing the surface game-“Diels-Alder reactions on diamond nanoparticles. <i>Chemical Communications</i> , 2011, 47, 544-546.	2.2	70
12	Strongly inhomogeneous distribution of spectral properties of silicon-vacancy color centers in nanodiamonds. <i>New Journal of Physics</i> , 2018, 20, 115002.	1.2	52
13	Biological Effects of Functionalizing Copolymer Scaffolds with Nanodiamond Particles. <i>Tissue Engineering - Part A</i> , 2013, 19, 1783-1791.	1.6	50
14	Synthesis of nanodiamond derivatives carrying amino functions and quantification by a modified Kaiser test. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 2729-2737.	1.3	46
15	Ortho-methylated tribenzotriquinacenes-“paving the way to curved carbon networks. <i>Chemical Communications</i> , 2012, 48, 1502-1504.	2.2	42
16	In Vivo Host Response and Degradation of Copolymer Scaffolds Functionalized with Nanodiamonds and Bone Morphogenetic Protein 2. <i>Advanced Healthcare Materials</i> , 2016, 5, 730-742.	3.9	33
17	A Copolymer Scaffold Functionalized with Nanodiamond Particles Enhances Osteogenic Metabolic Activity and Bone Regeneration. <i>Macromolecular Bioscience</i> , 2017, 17, 1600427.	2.1	32
18	Novel immobilization routes for the covalent binding of an alcohol dehydrogenase from <i>Rhodococcus ruber</i> DSM 44541. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 1171-1173.	1.8	31

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19	Functionalization of bone implants with nanodiamond particles and angiotensin-1 to improve vascularization and bone regeneration. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6629-6636.	2.9	31
20	Thiourea-Bridged Nanodiamond Glycoconjugates as Inhibitors of Bacterial Adhesion. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 5519-5525.	1.2	28
21	Zwitterion-Functionalized Detonation Nanodiamond with Superior Protein Repulsion and Colloidal Stability in Physiological Media. <i>Small</i> , 2019, 15, e1901551.	5.2	26
22	Efficient surface functionalization of detonation nanodiamond using ozone under ambient conditions. <i>Nanoscale</i> , 2019, 11, 8012-8019.	2.8	25
23	Highly sensitive and reproducible quantification of oxygenated surface groups on carbon nanomaterials. <i>Carbon</i> , 2020, 163, 56-62.	5.4	24
24	Pyrene-Based Turn-Off Probe with Broad Detection Range for Cu ²⁺ , Pb ²⁺ and Hg ²⁺ Ions. <i>Chemistry - A European Journal</i> , 2021, 27, 8118-8126.	1.7	22
25	Reinforced Degradable Biocomposite by Homogeneously Distributed Functionalized Nanodiamond Particles. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 436-447.	1.7	21
26	On the absolute photoionization cross section and dissociative photoionization of cyclopropenylidene. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 9240-9247.	1.3	20
27	Biofunctionalization of scaffold material with nano-scaled diamond particles physisorbed with angiogenic factors enhances vessel growth after implantation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 823-833.	1.7	19
28	Ultrasmall Nanodiamonds: Perspectives and Questions. <i>ACS Nano</i> , 2022, 16, 8513-8524.	7.3	19
29	Surface Modification of Nanodiamond under Bingel-Hirsch Conditions. <i>ChemPhysChem</i> , 2012, 13, 2578-2584.	1.0	18
30	<i>In vitro</i> cytotoxicity assessment of nanodiamond particles and their osteogenic potential. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 1697-1707.	2.1	18
31	Pentadiynylidene and Its Methyl-Substituted Derivates: Threshold Photoelectron Spectroscopy of R ₁ -C ₅ -R ₂ Triplet Carbon Chains. <i>Journal of Physical Chemistry A</i> , 2019, 123, 2008-2017.	1.1	18
32	Intrinsically ³² P-Labeled Diamond Nanoparticles for In Vivo Imaging and Quantification of Their Biodistribution in Chicken Embryos. <i>Advanced Functional Materials</i> , 2018, 28, 1802873.	7.8	16
33	Carbon-based cores with polyglycerol shells – the importance of core flexibility for encapsulation of hydrophobic guests. <i>Journal of Materials Chemistry B</i> , 2015, 3, 719-722.	2.9	15
34	Disaggregation and Anionic Activation of Nanodiamonds Mediated by Sodium Hydride – A New Route to Functional Aliphatic Polyester-Based Nanodiamond Materials. <i>Particle and Particle Systems Characterization</i> , 2015, 32, 35-42.	1.2	14
35	Combining nanostructuration with boron doping to alter sub band gap acceptor states in diamond materials. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16645-16654.	5.2	14
36	Nanodiamond modified copolymer scaffolds affects tumour progression of early neoplastic oral keratinocytes. <i>Biomaterials</i> , 2016, 95, 11-21.	5.7	10

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37	Threshold Photoelectron Spectrum of Cyclobutadiene: Comparison with Time-Dependent Wavepacket Simulations. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6901-6906.	2.1	8
38	Self-Assembly and Electronic Structure of Tribenzotriquinacenes on Ag(111). <i>Journal of Physical Chemistry C</i> , 2019, 123, 5469-5478.	1.5	6
39	The influence of differently functionalized nanodiamonds on proliferation, apoptosis and EMT/MET phenomena in 2D and 3D tumor cell cultures. <i>Journal of Materials Chemistry B</i> , 2021, 9, 9395-9405.	2.9	3