

Anke Krueger

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Ultrasmall Nanodiamonds: Perspectives and Questions. ACS Nano, 2022, 16, 8513-8524. | 7.3 | 19 |
| 2 | Pyrene-Based "Turn-Off" Probe with Broad Detection Range for Cu ²⁺ , Pb ²⁺ and Hg ²⁺ Ions. Chemistry - A European Journal, 2021, 27, 8118-8126. | 1.7 | 22 |
| 3 | Threshold Photoelectron Spectrum of Cyclobutadiene: Comparison with Time-Dependent Wavepacket Simulations. Journal of Physical Chemistry Letters, 2021, 12, 6901-6906. | 2.1 | 8 |
| 4 | The influence of differently functionalized nanodiamonds on proliferation, apoptosis and EMT/MET phenomena in 2D and 3D tumor cell cultures. Journal of Materials Chemistry B, 2021, 9, 9395-9405. | 2.9 | 3 |
| 5 | Highly sensitive and reproducible quantification of oxygenated surface groups on carbon nanomaterials. Carbon, 2020, 163, 56-62. | 5.4 | 24 |
| 6 | Zwitterion-Functionalized Detonation Nanodiamond with Superior Protein Repulsion and Colloidal Stability in Physiological Media. Small, 2019, 15, e1901551. | 5.2 | 26 |
| 7 | Efficient surface functionalization of detonation nanodiamond using ozone under ambient conditions. Nanoscale, 2019, 11, 8012-8019. | 2.8 | 25 |
| 8 | Pentadiynylidene and Its Methyl-Substituted Derivates: Threshold Photoelectron Spectroscopy of R ₁ -C ₅ -R ₂ Triplet Carbon Chains. Journal of Physical Chemistry A, 2019, 123, 2008-2017. | 1.1 | 18 |
| 9 | Self-Assembly and Electronic Structure of Tribenzotriquinacenes on Ag(111). Journal of Physical Chemistry C, 2019, 123, 5469-5478. | 1.5 | 6 |
| 10 | <i>In vitro</i> cytotoxicity assessment of nanodiamond particles and their osteogenic potential. Journal of Biomedical Materials Research - Part A, 2018, 106, 1697-1707. | 2.1 | 18 |
| 11 | Strongly inhomogeneous distribution of spectral properties of silicon-vacancy color centers in nanodiamonds. New Journal of Physics, 2018, 20, 115002. | 1.2 | 52 |
| 12 | Intrinsically ³² P-Labeled Diamond Nanoparticles for In Vivo Imaging and Quantification of Their Biodistribution in Chicken Embryos. Advanced Functional Materials, 2018, 28, 1802873. | 7.8 | 16 |
| 13 | Combining nanostructuration with boron doping to alter sub band gap acceptor states in diamond materials. Journal of Materials Chemistry A, 2018, 6, 16645-16654. | 5.2 | 14 |
| 14 | A Copolymer Scaffold Functionalized with Nanodiamond Particles Enhances Osteogenic Metabolic Activity and Bone Regeneration. Macromolecular Bioscience, 2017, 17, 1600427. | 2.1 | 32 |
| 15 | Functionalization of bone implants with nanodiamond particles and angiopoietin-1 to improve vascularization and bone regeneration. Journal of Materials Chemistry B, 2017, 5, 6629-6636. | 2.9 | 31 |
| 16 | Nanodiamond modified copolymer scaffolds affects tumour progression of early neoplastic oral keratinocytes. Biomaterials, 2016, 95, 11-21. | 5.7 | 10 |
| 17 | In Vivo Host Response and Degradation of Copolymer Scaffolds Functionalized with Nanodiamonds and Bone Morphogenetic Protein 2. Advanced Healthcare Materials, 2016, 5, 730-742. | 3.9 | 33 |
| 18 | Biofunctionalization of scaffold material with nano-scaled diamond particles physisorbed with angiogenic factors enhances vessel growth after implantation. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 823-833. | 1.7 | 19 |

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|----|--|-----|-----------|
| 19 | On the absolute photoionization cross section and dissociative photoionization of cyclopropenylidene. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 9240-9247. | 1.3 | 20 |
| 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 | 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 |
| 22 | Reinforced Degradable Biocomposite by Homogenously Distributed Functionalized Nanodiamond Particles. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 436-447. | 1.7 | 21 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | Toward Deep Blue Nano Hope Diamonds: Heavily Boron-Doped Diamond Nanoparticles. <i>ACS Nano</i> , 2014, 8, 5757-5764. | 7.3 | 80 |
| 27 | Biological Effects of Functionalizing Copolymer Scaffolds with Nanodiamond Particles. <i>Tissue Engineering - Part A</i> , 2013, 19, 1783-1791. | 1.6 | 50 |
| 28 | Ortho-methylated tribenzotriquinacenes — paving the way to curved carbon networks. <i>Chemical Communications</i> , 2012, 48, 1502-1504. | 2.2 | 42 |
| 29 | 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 |
| 30 | Surface Modification of Nanodiamond under Bingel — Hirsch Conditions. <i>ChemPhysChem</i> , 2012, 13, 2578-2584. | 1.0 | 18 |
| 31 | Functionality is Key: Recent Progress in the Surface Modification of Nanodiamond. <i>Advanced Functional Materials</i> , 2012, 22, 890-906. | 7.8 | 501 |
| 32 | Playing the surface game — Diels — Alder reactions on diamond nanoparticles. <i>Chemical Communications</i> , 2011, 47, 544-546. | 2.2 | 70 |
| 33 | Beyond the shine: recent progress in applications of nanodiamond. <i>Journal of Materials Chemistry</i> , 2011, 21, 12571. | 6.7 | 106 |
| 34 | 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 |
| 35 | Deagglomeration and surface modification of thermally annealed nanoscale diamond. <i>Journal of Colloid and Interface Science</i> , 2011, 354, 23-30. | 5.0 | 91 |
| 36 | A General Procedure to Functionalize Agglomerating Nanoparticles Demonstrated on Nanodiamond. <i>ACS Nano</i> , 2009, 3, 2288-2296. | 7.3 | 202 |

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|----|--|-----|-----------|
| 37 | New Carbon Materials: Biological Applications of Functionalized Nanodiamond Materials. Chemistry - A European Journal, 2008, 14, 1382-1390. | 1.7 | 399 |
| 38 | Novel immobilization routes for the covalent binding of an alcohol dehydrogenase from <i>Rhodococcus ruber</i> DSM 44541. Tetrahedron: Asymmetry, 2008, 19, 1171-1173. | 1.8 | 31 |
| 39 | Deagglomeration and functionalisation of detonation diamond. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 2881-2887. | 0.8 | 124 |