

# Wolfgang J Parak

## List of Publications by Year in descending order

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500  
papers

49,385  
citations

1368

108  
h-index

1792

211  
g-index

529  
all docs

529  
docs citations

529  
times ranked

49731  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal nanocluster-based devices: Challenges and opportunities. <i>Aggregate</i> , 2022, 3, e132.	5.2	11
2	Quantitative considerations about the size dependence of cellular entry and excretion of colloidal nanoparticles for different cell types. <i>ChemTexts</i> , 2022, 8, 9.	1.0	5
3	Deducing the cellular mechanisms associated with the potential genotoxic impact of gold and silver engineered nanoparticles upon different lung epithelial cell lines in vitro. <i>Nanotoxicology</i> , 2022, , 1-21.	1.6	3
4	Colloidal stability of polymer coated zwitterionic Au nanoparticles in biological media. <i>Inorganica Chimica Acta</i> , 2022, 534, 120820.	1.2	6
5	In-situ x-ray fluorescence imaging of the endogenous iodine distribution in murine thyroids. <i>Scientific Reports</i> , 2022, 12, 2903.	1.6	8
6	Nano and Plants. <i>ACS Nano</i> , 2022, 16, 1681-1684.	7.3	41
7	Tanks and Truth. <i>ACS Nano</i> , 2022, 16, 4975-4976.	7.3	0
8	Gold Nanostars: Synthesis, Optical and SERS Analytical Properties. <i>Analysis &amp; Sensing</i> , 2022, 2, .	1.1	16
9	Semiconductor Nanoplatelets as Ultra-Bright Fluorophores for Two-Photon Absorption Cell Imaging. <i>Journal of Physical Chemistry C</i> , 2022, 126, 5658-5664.	1.5	3
10	Nanogold-embedded poly (vinylidene fluoride) fibrous membrane for selective sensing of Hg (II) ion. <i>Materials Chemistry and Physics</i> , 2022, 281, 125862.	2.0	1
11	Food-Grade Titanium Dioxide Induces Toxicity in the Nematode <i>Caenorhabditis elegans</i> and Acute Hepatic and Pulmonary Responses in Mice. <i>Nanomaterials</i> , 2022, 12, 1669.	1.9	6
12	Pathways Related to NLRP3 Inflammasome Activation Induced by Gold Nanorods. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5763.	1.8	1
13	Biodegradable particles for protein delivery: Estimation of the release kinetics inside cells. , 2022, 139, 212966.		2
14	Introducing visible-light sensitivity into photocatalytic CeO <sub>2</sub> nanoparticles by hybrid particle preparation exploiting plasmonic properties of gold: enhanced photoelectrocatalysis exemplified for hydrogen peroxide sensing. <i>Nanoscale</i> , 2021, 13, 980-990.	2.8	13
15	Luminescent silver nanoclusters decorated on ZnO tetrapods: a detailed understanding of their role in photoluminescence features. <i>Journal of Materials Chemistry C</i> , 2021, 9, 7014-7026.	2.7	9
16	Hyperspectral-enhanced dark field analysis of individual and collective photo-responsive gold-copper sulfide nanoparticles. <i>Nanoscale</i> , 2021, 13, 13256-13272.	2.8	17
17	Mechanistic insights and selected synthetic routes of atomically precise metal nanoclusters. <i>Nano Select</i> , 2021, 2, 831-846.	1.9	5
18	Surface Engineering of Gold Nanoclusters Protected with 11-Mercaptoundecanoic Acid for Photoluminescence Sensing. <i>ACS Applied Nano Materials</i> , 2021, 4, 3197-3203.	2.4	12

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19	In depth characterisation of the biomolecular coronas of polymer coated inorganic nanoparticles with differential centrifugal sedimentation. <i>Scientific Reports</i> , 2021, 11, 6443.	1.6	14
20	X-ray-Based Techniques to Study the Nano-Bio Interface. <i>ACS Nano</i> , 2021, 15, 3754-3807.	7.3	60
21	The Effect of Surface Coating of Iron Oxide Nanoparticles on Magnetic Resonance Imaging Relaxivity. <i>Frontiers in Nanotechnology</i> , 2021, 3, .	2.4	20
22	X-ray Fluorescence Uptake Measurement of Functionalized Gold Nanoparticles in Tumor Cell Microsamples. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3691.	1.8	10
23	Stimulation of Local Cytosolic Calcium Release by Photothermal Heating for Studying Intra- and Intercellular Calcium Waves. <i>Advanced Materials</i> , 2021, 33, e2008261.	11.1	10
24	Photoluminescence of Fully Inorganic Colloidal Gold Nanocluster and Their Manipulation Using Surface Charge Effects. <i>Advanced Materials</i> , 2021, 33, e2101549.	11.1	21
25	Impact of Ligands on Structural and Optical Properties of Ag <sub>29</sub> Nanoclusters. <i>Journal of the American Chemical Society</i> , 2021, 143, 9405-9414.	6.6	60
26	Paper-based plasmonic substrates as surface-enhanced Raman scattering spectroscopy platforms for cell culture applications. <i>Materials Today Bio</i> , 2021, 11, 100125.	2.6	12
27	Influence of the Modulation of the Protein Corona on Gene Expression Using Polyethylenimine (PEI) Polyplexes as Delivery Vehicle. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100125.	3.9	11
28	Aerogelation of Polymer-Coated Photoluminescent, Plasmonic, and Magnetic Nanoparticles for Biosensing Applications. <i>ACS Applied Nano Materials</i> , 2021, 4, 6678-6688.	2.4	13
29	In Vitro Cellular Uptake Studies of Self-Assembled Fluorinated Nanoparticles Labelled with Antibodies. <i>Nanomaterials</i> , 2021, 11, 1906.	1.9	1
30	Liposome-based measurement of light-driven chloride transport kinetics of halorhodopsin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183637.	1.4	4
31	Nanotoxicology and nanomedicine: The Yin and Yang of nano-bio interactions for the new decade. <i>Nano Today</i> , 2021, 39, 101184.	6.2	67
32	From mouse to mouse ear cross: Nanomaterials as vehicles in plant biotechnology. <i>Exploration</i> , 2021, 1, 9-20.	5.4	27
33	Recent Notable Approaches to Study Self-Assembly of Nanoparticles with X-Ray Scattering and Electron Microscopy. <i>Particle and Particle Systems Characterization</i> , 2021, 38, 2100087.	1.2	23
34	Aqueous-Based Silica Nanoparticles as Carriers for Catalytically Active Biomacromolecules. <i>ACS Applied Nano Materials</i> , 2021, 4, 9060-9067.	2.4	4
35	Rapid template-guided ligand-free synthesis of ultrasmall Pt nanoclusters with efficient hydrogen evolution reaction activity and their versatile release. <i>Nano Select</i> , 2021, 2, 758-767.	1.9	4
36	A Virtual Issue on Nanomedicine. <i>ACS Nano</i> , 2021, 15, 15397-15401.	7.3	4

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37	Influence of the chirality of carbon nanodots on their interaction with proteins and cells. Nature Communications, 2021, 12, 7208.	5.8	31
38	Analyse quantitativer Partikelaufnahme von Zellen über verschiedene Messmethoden. Angewandte Chemie, 2020, 132, 5478-5494.	1.6	0
39	Synthesis of Fluorescent Silver Nanoclusters: Introducing Bottom-Up and Top-Down Approaches to Nanochemistry in a Single Laboratory Class. Journal of Chemical Education, 2020, 97, 239-243.	1.1	24
40	Quantitative Particle Uptake by Cells as Analyzed by Different Methods. Angewandte Chemie - International Edition, 2020, 59, 5438-5453.	7.2	48
41	Biodegradation of Bi-Labeled Polymer-Coated Rare-Earth Nanoparticles in Adherent Cell Cultures. Chemistry of Materials, 2020, 32, 245-254.	3.2	16
42	Development of Silica-Based Biodegradable Submicrometric Carriers and Investigating Their Characteristics as in Vitro Delivery Vehicles. International Journal of Molecular Sciences, 2020, 21, 7563.	1.8	7
43	Multimodal Imaging of Pancreatic Ductal Adenocarcinoma Using Multifunctional Nanoparticles as Contrast Agents. ACS Applied Materials & Interfaces, 2020, 12, 53665-53681.	4.0	19
44	Quantitative Assessment of Endosomal Escape of Various Endocytosed Polymer-Encapsulated Molecular Cargos upon Photothermal Heating. Small, 2020, 16, e2003639.	5.2	15
45	Linear Size Contraction of Ligand Protected Ag <sub>29</sub> Clusters by Substituting Ag with Cu. ACS Nano, 2020, 14, 15064-15070.	7.3	28
46	Tutorials and Articles on Best Practices. ACS Nano, 2020, 14, 10751-10753.	7.3	1
47	Origin of Laser-Induced Colloidal Gold Surface Oxidation and Charge Density, and Its Role in Oxidation Catalysis. Journal of Physical Chemistry C, 2020, 124, 20981-20990.	1.5	13
48	Functionalization of colloidal nanoparticles with a discrete number of ligands based on a "HALO-biclick" reaction. Chemical Communications, 2020, 56, 11398-11401.	2.2	8
49	Toward Diffusion Measurements of Colloidal Nanoparticles in Biological Environments by Nuclear Magnetic Resonance. Small, 2020, 16, e2001160.	5.2	15
50	Lysosomal Proton Buffering of Poly(ethylenimine) Measured <i>In Situ</i> by Fluorescent pH-Sensor Microcapsules. ACS Nano, 2020, 14, 8012-8023.	7.3	50
51	Colloids for nanobiotechnology: An introduction. Frontiers of Nanoscience, 2020, 16, 1-7.	0.3	1
52	Synthesis, Characterization, and Evaluation of Superparamagnetic Doped Ferrites as Potential Therapeutic Nanotools. Chemistry of Materials, 2020, 32, 2220-2231.	3.2	50
53	Ion Selective Transport of Alkali Ions through a Polyelectrolyte Membrane. Advanced Materials Interfaces, 2020, 7, 2000419.	1.9	2
54	Growing Contributions of Nano in 2020. ACS Nano, 2020, 14, 16163-16164.	7.3	1

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55	Understanding the Interaction of Glutamate Salts with Serum Albumin Protected Prism-Shaped Silver Nanoparticles toward Glutamate Sensing. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1800229.	1.2	4
56	Protein-Protected Porous Bimetallic AgPt Nanoparticles with pH-Switchable Peroxidase/Catalase-Mimicking Activity. , 2019, 1, 310-319.		35
57	Assembly and Degradation of Inorganic Nanoparticles in Biological Environments. <i>Bioconjugate Chemistry</i> , 2019, 30, 2751-2762.	1.8	30
58	Nano as a Rosetta Stone: The Global Roles and Opportunities for Nanoscience and Nanotechnology. <i>ACS Nano</i> , 2019, 13, 10853-10855.	7.3	16
59	Confining Iron Oxide Nanocubes inside Submicrometric Cavities as a Key Strategy To Preserve Magnetic Heat Losses in an Intracellular Environment. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 41957-41971.	4.0	44
60	Protein-Induced Shape Control of Noble Metal Nanoparticles. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801407.	1.9	36
61	Nanoscience and Nanotechnology at the Centennial of Universität Hamburg. <i>ACS Nano</i> , 2019, 13, 1-3.	7.3	1
62	The Future of Layer-by-Layer Assembly: A Tribute to <i>ACS Nano</i> Associate Editor Helmuth MÄhwald. <i>ACS Nano</i> , 2019, 13, 6151-6169.	7.3	211
63	Multiplexed Readout of Enzymatic Reactions by Means of Laterally Resolved Illumination of Quantum Dot Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 21830-21839.	4.0	21
64	Biodegradable Alginate Polyelectrolyte Capsules As Plausible Biocompatible Delivery Carriers. <i>ACS Applied Bio Materials</i> , 2019, 2, 3245-3256.	2.3	19
65	Redefining the Experimental and Methods Sections. <i>ACS Nano</i> , 2019, 13, 4862-4864.	7.3	16
66	Ligand density on nanoparticles: A parameter with critical impact on nanomedicine. <i>Advanced Drug Delivery Reviews</i> , 2019, 143, 22-36.	6.6	124
67	Sustainable Synthesis and Improved Colloidal Stability of Popcorn-Shaped Gold Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 9834-9841.	3.2	19
68	Aqueous Stable Gold Nanostar/ZIF-8 Nanocomposites for Light-Triggered Release of Active Cargo Inside Living Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7078-7082.	7.2	103
69	The Role of Ligands in the Chemical Synthesis and Applications of Inorganic Nanoparticles. <i>Chemical Reviews</i> , 2019, 119, 4819-4880.	23.0	709
70	Triple-Labeling of Polymer-Coated Quantum Dots and Adsorbed Proteins for Tracing their Fate in Cell Cultures. <i>ACS Nano</i> , 2019, 13, 4631-4639.	7.3	46
71	Aqueous Stable Gold Nanostar/ZIF-8 Nanocomposites for Light-Triggered Release of Active Cargo Inside Living Cells. <i>Angewandte Chemie</i> , 2019, 131, 7152-7156.	1.6	15
72	Hybrids of Polymeric Capsules, Lipids, and Nanoparticles: Thermodynamics and Temperature Rise at the Nanoscale and Emerging Applications. <i>Langmuir</i> , 2019, 35, 8574-8583.	1.6	33

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73	Nanobuffering of pH-Responsive Polymers: A Known but Sometimes Overlooked Phenomenon and Its Biological Applications. <i>ACS Nano</i> , 2019, 13, 4876-4882.	7.3	77
74	Investigating Possible Enzymatic Degradation on Polymer Shells around Inorganic Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2019, 20, 935.	1.8	17
75	Tracking stem cells and macrophages with gold and iron oxide nanoparticles – The choice of the best suited particles. <i>Applied Materials Today</i> , 2019, 15, 267-279.	2.3	39
76	Nonradioactive Cell Assay for the Evaluation of Modular Prostate-Specific Membrane Antigen Targeting Ligands via Inductively Coupled Plasma Mass Spectrometry. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 10912-10918.	2.9	3
77	Translational Research: Bridging the Gap between Fundamental Research and the Clinic. <i>Bioconjugate Chemistry</i> , 2019, 30, 2989-2990.	1.8	2
78	Remotely controlled opening of delivery vehicles and release of cargo by external triggers. <i>Advanced Drug Delivery Reviews</i> , 2019, 138, 117-132.	6.6	28
79	Protein-Mediated Shape Control of Silver Nanoparticles. <i>Bioconjugate Chemistry</i> , 2018, 29, 1261-1265.	1.8	48
80	Taking Advantage of Hydrophobic Fluorine Interactions for Self-Assembled Quantum Dots as a Delivery Platform for Enzymes. <i>Angewandte Chemie</i> , 2018, 130, 5127-5130.	1.6	8
81	Taking Advantage of Hydrophobic Fluorine Interactions for Self-Assembled Quantum Dots as a Delivery Platform for Enzymes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5033-5036.	7.2	38
82	Helmuth M $\ddot{u}$ hlwald (1946–2018). <i>ACS Nano</i> , 2018, 12, 3053-3055.	7.3	0
83	Detailed investigation on how the protein corona modulates the physicochemical properties and gene delivery of polyethylenimine (PEI) polyplexes. <i>Biomaterials Science</i> , 2018, 6, 1800-1817.	2.6	50
84	Photoluminescence quenching of dye molecules near a resonant silicon nanoparticle. <i>Scientific Reports</i> , 2018, 8, 6107.	1.6	32
85	Toward an optically controlled brain. <i>Science</i> , 2018, 359, 633-634.	6.0	17
86	Laterally and Temporally Controlled Intracellular Staining by Light-Triggered Release of Encapsulated Fluorescent Markers. <i>Chemistry - A European Journal</i> , 2018, 24, 2098-2102.	1.7	35
87	Structure and Thermal Stability of Stilbenedithiol SAMs on Au(111). <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700859.	0.8	1
88	Light as Trigger for Biocatalysis: Photonic Wiring of Flavin Adenine Dinucleotide-Dependent Glucose Dehydrogenase to Quantum Dot-Sensitized Inverse Opal TiO <sub>2</sub> Architectures via Redox Polymers. <i>ACS Catalysis</i> , 2018, 8, 5212-5220.	5.5	33
89	Up-Conversion Luminescence Properties of Lanthanide-Gold Hybrid Nanoparticles as Analyzed with Discrete Dipole Approximation. <i>Nanomaterials</i> , 2018, 8, 989.	1.9	12
90	Minimum information reporting in bio-nano experimental literature. <i>Nature Nanotechnology</i> , 2018, 13, 777-785.	15.6	455

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91	How Entanglement of Different Physicochemical Properties Complicates the Prediction of <i>in Vitro</i> and <i>in Vivo</i> Interactions of Gold Nanoparticles. <i>ACS Nano</i> , 2018, 12, 10104-10113.	7.3	113
92	Laser Fragmentation of Colloidal Gold Nanoparticles with High-Intensity Nanosecond Pulses is Driven by a Single-Step Fragmentation Mechanism with a Defined Educt Particle-Size Threshold. <i>Journal of Physical Chemistry C</i> , 2018, 122, 22125-22136.	1.5	77
93	Investigation of the Viability of Cells upon Co-Exposure to Gold and Iron Oxide Nanoparticles. <i>Bioconjugate Chemistry</i> , 2018, 29, 2120-2125.	1.8	14
94	Ion-Selective Ligands: How Colloidal Nano- and Micro-Particles Can Introduce New Functionalities. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018, 232, 1307-1317.	1.4	8
95	Dynamic Extracellular Imaging of Biochemical Cell Activity Using InGaN/GaN Nanowire Arrays as Nanophotonic Probes. <i>Advanced Functional Materials</i> , 2018, 28, 1802503.	7.8	7
96	Study of Fluorinated Quantum Dots-Protein Interactions at the Oil/Water Interface by Interfacial Surface Tension Changes. <i>Materials</i> , 2018, 11, 750.	1.3	5
97	Light-Driven Chloride Transport Kinetics of Halorhodopsin. <i>Biophysical Journal</i> , 2018, 115, 353-360.	0.2	9
98	Electron Energy-Loss Spectroscopy of Spatial Nonlocality and Quantum Tunneling Effects in the Bright and Dark Plasmon Modes of Gold Nanosphere Dimers. <i>Advanced Quantum Technologies</i> , 2018, 1, 1800016.	1.8	13
99	Adaptive metabolic pattern biomarker for disease monitoring and staging of lung cancer with liquid biopsy. <i>Npj Precision Oncology</i> , 2018, 2, 16.	2.3	6
100	Dual Enzymatic Reaction-Assisted Gemcitabine Delivery Systems for Programmed Pancreatic Cancer Therapy. <i>ACS Nano</i> , 2017, 11, 1281-1291.	7.3	160
101	Novel fluorinated ligands for gold nanoparticle labelling with applications in <sup>19</sup> F-MRI. <i>Chemical Communications</i> , 2017, 53, 2447-2450.	2.2	18
102	Connecting quantum dots with enzymes: mediator-based approaches for the light-directed read-out of glucose and fructose oxidation. <i>Nanoscale</i> , 2017, 9, 2814-2823.	2.8	44
103	Positioning metal-organic framework nanoparticles within the context of drug delivery – A comparison with mesoporous silica nanoparticles and dendrimers. <i>Biomaterials</i> , 2017, 123, 172-183.	5.7	221
104	Dissecting common and divergent molecular pathways elicited by CdSe/ZnS quantum dots in freshwater and marine sentinel invertebrates. <i>Nanotoxicology</i> , 2017, 11, 289-303.	1.6	27
105	Nanoscience and Nanotechnology Cross Borders. <i>ACS Nano</i> , 2017, 11, 1123-1126.	7.3	4
106	Techniques for the experimental investigation of the protein corona. <i>Current Opinion in Biotechnology</i> , 2017, 46, 106-113.	3.3	126
107	Enhanced Terahertz Radiation Generation of Photoconductive Antennas Based on Manganese Ferrite Nanoparticles. <i>Scientific Reports</i> , 2017, 7, 46261.	1.6	9
108	Introducing Students to Surface Modification and Phase Transfer of Nanoparticles with a Laboratory Experiment. <i>Journal of Chemical Education</i> , 2017, 94, 769-774.	1.1	9

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109	Accelerating Advances in Science, Engineering, and Medicine through Nanoscience and Nanotechnology. <i>ACS Nano</i> , 2017, 11, 3423-3424.	7.3	11
110	The role of intracellular trafficking of CdSe/ZnS QDs on their consequent toxicity profile. <i>Journal of Nanobiotechnology</i> , 2017, 15, 45.	4.2	31
111	Real-time, label-free monitoring of cell viability based on cell adhesion measurements with an atomic force microscope. <i>Journal of Nanobiotechnology</i> , 2017, 15, 23.	4.2	17
112	Colloidal Gold Nanoparticles Induce Changes in Cellular and Subcellular Morphology. <i>ACS Nano</i> , 2017, 11, 7807-7820.	7.3	88
113	Optimizing conditions for labeling of mesenchymal stromal cells (MSCs) with gold nanoparticles: a prerequisite for in vivo tracking of MSCs. <i>Journal of Nanobiotechnology</i> , 2017, 15, 24.	4.2	31
114	Interaction of colloidal nanoparticles with cells (Conference Presentation). , 2017, , .		0
115	Cancer: Nanoscience and Nanotechnology Approaches. <i>ACS Nano</i> , 2017, 11, 4375-4376.	7.3	24
116	Influence of Size and Shape on the Anatomical Distribution of Endotoxin-Free Gold Nanoparticles. <i>ACS Nano</i> , 2017, 11, 5519-5529.	7.3	131
117	Choose your cell model wisely: The in vitro nanoneurotoxicity of differentially coated iron oxide nanoparticles for neural cell labeling. <i>Acta Biomaterialia</i> , 2017, 55, 204-213.	4.1	13
118	Quantitative Particle-Cell Interaction: Some Basic Physicochemical Pitfalls. <i>Langmuir</i> , 2017, 33, 6639-6646.	1.6	65
119	Diverse Applications of Nanomedicine. <i>ACS Nano</i> , 2017, 11, 2313-2381.	7.3	976
120	Regeneration of arsenic spent adsorbents by Fe/MgO nanoparticles. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 1876-1883.	1.6	19
121	Polymer-coated nanoparticles: Carrier platforms for hydrophobic water- and air-sensitive metallo-organic compounds. <i>Pharmacological Research</i> , 2017, 117, 261-266.	3.1	17
122	Comprehensive and Systematic Analysis of the Immunocompatibility of Polyelectrolyte Capsules. <i>Bioconjugate Chemistry</i> , 2017, 28, 556-564.	1.8	39
123	Selected Standard Protocols for the Synthesis, Phase Transfer, and Characterization of Inorganic Colloidal Nanoparticles. <i>Chemistry of Materials</i> , 2017, 29, 399-461.	3.2	233
124	Nanoparticles for radiooncology: Mission, vision, challenges. <i>Biomaterials</i> , 2017, 120, 155-184.	5.7	87
125	Maintenance of cellular respiration indicates drug resistance in acute myeloid leukemia. <i>Leukemia Research</i> , 2017, 62, 56-63.	0.4	27
126	Colloidal Stability and Surface Chemistry Are Key Factors for the Composition of the Protein Corona of Inorganic Gold Nanoparticles. <i>Advanced Functional Materials</i> , 2017, 27, 1701956.	7.8	76



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127	Our First and Next Decades at ACS Nano. ACS Nano, 2017, 11, 7553-7555.	7.3	0
128	SERS Quantification and Characterization of Proteins and Other Biomolecules. Langmuir, 2017, 33, 9711-9730.	1.6	121
129	Direct protein quantification in complex sample solutions by surface-engineered nanorod probes. Scientific Reports, 2017, 7, 4752.	1.6	11
130	In situ detection of the protein corona in complex environments. Nature Communications, 2017, 8, 1542.	5.8	117
131	Role of the Protein Corona Derived from Human Plasma in Cellular Interactions between Nanoporous Human Serum Albumin Particles and Endothelial Cells. Bioconjugate Chemistry, 2017, 28, 2062-2068.	1.8	32
132	Multiplexed Fluorophore-Nanoparticle Hybrids for Extending the Range of pH Measurements. Small Methods, 2017, 1, 1700153.	4.6	9
133	Rare earth based nanostructured materials: synthesis, functionalization, properties and bioimaging and biosensing applications. Nanophotonics, 2017, 6, 881-921.	2.9	137
134	A Big Year Ahead for Nano in 2018. ACS Nano, 2017, 11, 11755-11757.	7.3	1
135	A Decade of the Protein Corona. ACS Nano, 2017, 11, 11773-11776.	7.3	477
136	Carbon nanotubes gathered onto silica particles lose their biomimetic properties with the cytoskeleton becoming biocompatible. International Journal of Nanomedicine, 2017, Volume 12, 6317-6328.	3.3	22
137	Involvement of two uptake mechanisms of gold and iron oxide nanoparticles in a co-exposure scenario using mouse macrophages. Beilstein Journal of Nanotechnology, 2017, 8, 2396-2409.	1.5	18
138	Synthesis and Surface Engineering of Gold Nanoparticles, and Their Potential Applications in Bionanotechnology. , 2017, , .		0
139	Metabolic pathway for the universal fluorescent recognition of tumor cells. Oncotarget, 2017, 8, 76108-76115.	0.8	3
140	Homogeneous Biosensing Based on Magnetic Particle Labels. Sensors, 2016, 16, 828.	2.1	75
141	Nanoparticle dosageâ€”a nontrivial task of utmost importance for quantitative nanosafety research. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2016, 8, 479-492.	3.3	22
142	Influence of Temperature on the Colloidal Stability of Polymerâ€”Coated Gold Nanoparticles in Cell Culture Media. Small, 2016, 12, 1723-1731.	5.2	49
143	The Application of Stimuliâ€”Responsive VEGFâ€”and ATPâ€”Aptamerâ€”Based Microcapsules for the Controlled Release of an Anticancer Drug, and the Selective Targeted Cytotoxicity toward Cancer Cells. Advanced Functional Materials, 2016, 26, 4262-4273.	7.8	83
144	Inhibition of the cancer-associated TASK 3 channels by magnetically induced thermal release of Tetrandrine from a polymeric drug carrier. Journal of Controlled Release, 2016, 237, 50-60.	4.8	29

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145	Basic Physicochemical Properties of Polyethylene Glycol Coated Gold Nanoparticles that Determine Their Interaction with Cells. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5483-5487.	7.2	115
146	Basic Physicochemical Properties of Polyethylene Glycol Coated Gold Nanoparticles that Determine Their Interaction with Cells. <i>Angewandte Chemie</i> , 2016, 128, 5573-5577.	1.6	11
147	Nanoscience and Nanotechnology Impacting Diverse Fields of Science, Engineering, and Medicine. <i>ACS Nano</i> , 2016, 10, 10615-10617.	7.3	22
148	Tumour homing and therapeutic effect of colloidal nanoparticles depend on the number of attached antibodies. <i>Nature Communications</i> , 2016, 7, 13818.	5.8	115
149	Homogeneous Protein Analysis by Magnetic Core-Shell Nanorod Probes. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 8893-8899.	4.0	18
150	Nanoscience and Nanotechnology around the World. <i>ACS Nano</i> , 2016, 10, 4883-4884.	7.3	7
151	Highly active antibody-modified magnetic polyelectrolyte capsules. <i>Journal of Colloid and Interface Science</i> , 2016, 474, 1-8.	5.0	22
152	Synthesis and functionalization of monodisperse near-ultraviolet and visible excitable multifunctional Eu <sup>3+</sup> , Bi <sup>3+</sup> :REVO <sub>4</sub> nanophosphors for bioimaging and biosensing applications. <i>Nanoscale</i> , 2016, 8, 12221-12236.	2.8	56
153	Surface Enhanced Raman Scattering Encoded Gold Nanostars for Multiplexed Cell Discrimination. <i>Chemistry of Materials</i> , 2016, 28, 6779-6790.	3.2	147
154	Some thoughts about the intracellular location of nanoparticles and the resulting consequences. <i>Journal of Colloid and Interface Science</i> , 2016, 482, 260-266.	5.0	19
155	Engineering of nanoparticle size via electrohydrodynamic jetting. <i>Bioengineering and Translational Medicine</i> , 2016, 1, 82-93.	3.9	26
156	Patients, Here Comes More Nanotechnology. <i>ACS Nano</i> , 2016, 10, 8139-8142.	7.3	43
157	Programmed pH-Responsive Microcapsules for the Controlled Release of CdSe/ZnS Quantum Dots. <i>ACS Nano</i> , 2016, 10, 8683-8689.	7.3	72
158	Catalysis by multifunctional polyelectrolyte capsules. <i>RSC Advances</i> , 2016, 6, 81569-81577.	1.7	17
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