

# Wolfgang J Parak

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

430  
papers

41,815  
citations

100  
h-index

196  
g-index

529  
ext. papers

45,707  
ext. citations

10.1  
avg, IF

7.4  
L-index

#	Paper	IF	Citations
430	Quantitative considerations about the size dependence of cellular entry and excretion of colloidal nanoparticles for different cell types.. <i>ChemTexts</i> , <b>2022</b> , 8, 9	2.2	0
429	Deducing the cellular mechanisms associated with the potential genotoxic impact of gold and silver engineered nanoparticles upon different lung epithelial cell lines .. <i>Nanotoxicology</i> , <b>2022</b> , 1-21	5.3	1
428	Colloidal stability of polymer coated zwitterionic Au nanoparticles in biological media. <i>Inorganica Chimica Acta</i> , <b>2022</b> , 534, 120820	2.7	0
427	In-situ x-ray fluorescence imaging of the endogenous iodine distribution in murine thyroids.. <i>Scientific Reports</i> , <b>2022</b> , 12, 2903	4.9	0
426	Nano and Plants. <i>ACS Nano</i> , <b>2022</b> , 16, 1681-1684	16.7	14
425	Semiconductor Nanoplatelets as Ultra-Bright Fluorophores for Two-Photon Absorption Cell Imaging. <i>Journal of Physical Chemistry C</i> , <b>2022</b> , 126, 5658-5664	3.8	1
424	Nanogold-embedded poly (vinylidene fluoride) fibrous membrane for selective sensing of Hg (II) ion. <i>Materials Chemistry and Physics</i> , <b>2022</b> , 281, 125862	4.4	0
423	Food-Grade Titanium Dioxide Induces Toxicity in the Nematode <i>Caenorhabditis elegans</i> and Acute Hepatic and Pulmonary Responses in Mice. <i>Nanomaterials</i> , <b>2022</b> , 12, 1669	5.4	0
422	Pathways Related to NLRP3 Inflammasome Activation Induced by Gold Nanorods. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23, 5763	6.3	0
421	Biodegradable particles for protein delivery: Estimation of the release kinetics inside cells <b>2022</b> , 212966		0
420	In depth characterisation of the biomolecular coronas of polymer coated inorganic nanoparticles with differential centrifugal sedimentation. <i>Scientific Reports</i> , <b>2021</b> , 11, 6443	4.9	5
419	X-ray-Based Techniques to Study the Nano-Bio Interface. <i>ACS Nano</i> , <b>2021</b> , 15, 3754-3807	16.7	18
418	The Effect of Surface Coating of Iron Oxide Nanoparticles on Magnetic Resonance Imaging Relaxivity. <i>Frontiers in Nanotechnology</i> , <b>2021</b> , 3,	5.5	4
417	X-ray Fluorescence Uptake Measurement of Functionalized Gold Nanoparticles in Tumor Cell Microsamples. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	4
416	Stimulation of Local Cytosolic Calcium Release by Photothermal Heating for Studying Intra- and Intercellular Calcium Waves. <i>Advanced Materials</i> , <b>2021</b> , 33, e2008261	24	1
415	Photoluminescence of Fully Inorganic Colloidal Gold Nanocluster and Their Manipulation Using Surface Charge Effects. <i>Advanced Materials</i> , <b>2021</b> , 33, e2101549	24	4
414	Impact of Ligands on Structural and Optical Properties of Ag Nanoclusters. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 9405-9414	16.4	13

4 <sup>13</sup>	Paper-based plasmonic substrates as surface-enhanced Raman scattering spectroscopy platforms for cell culture applications. <i>Materials Today Bio</i> , <b>2021</b> , 11, 100125	9.9	1
4 <sup>12</sup>	Influence of the Modulation of the Protein Corona on Gene Expression Using Polyethylenimine (PEI) Polyplexes as Delivery Vehicle. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2100125	10.1	4
4 <sup>11</sup>	Aerogelation of Polymer-Coated Photoluminescent, Plasmonic, and Magnetic Nanoparticles for Biosensing Applications. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 6678-6688	5.6	4
4 <sup>10</sup>	Introducing visible-light sensitivity into photocatalytic CeO nanoparticles by hybrid particle preparation exploiting plasmonic properties of gold: enhanced photoelectrocatalysis exemplified for hydrogen peroxide sensing. <i>Nanoscale</i> , <b>2021</b> , 13, 980-990	7.7	4
4 <sup>09</sup>	Luminescent silver nanoclusters decorated on ZnO tetrapods: a detailed understanding of their role in photoluminescence features. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 7014-7026	7.1	3
4 <sup>08</sup>	Hyperspectral-enhanced dark field analysis of individual and collective photo-responsive gold-copper sulfide nanoparticles. <i>Nanoscale</i> , <b>2021</b> , 13, 13256-13272	7.7	4
4 <sup>07</sup>	Mechanistic insights and selected synthetic routes of atomically precise metal nanoclusters. <i>Nano Select</i> , <b>2021</b> , 2, 831-846	3.1	1
4 <sup>06</sup>	Surface Engineering of Gold Nanoclusters Protected with 11-Mercaptoundecanoic Acid for Photoluminescence Sensing. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 3197-3203	5.6	5
4 <sup>05</sup>	Liposome-based measurement of light-driven chloride transport kinetics of halorhodopsin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2021</b> , 1863, 183637	3.8	0
4 <sup>04</sup>	Nanotoxicology and nanomedicine: The Yin and Yang of nano-bio interactions for the new decade. <i>Nano Today</i> , <b>2021</b> , 39, 101184	17.9	16
4 <sup>03</sup>	From mouse to mouse-ear cress: Nanomaterials as vehicles in plant biotechnology. <i>Exploration</i> , <b>2021</b> , 1, 9-20		13
4 <sup>02</sup>	Recent Notable Approaches to Study Self-Assembly of Nanoparticles with X-Ray Scattering and Electron Microscopy. <i>Particle and Particle Systems Characterization</i> , <b>2021</b> , 38, 2100087	3.1	8
4 <sup>01</sup>	Aqueous-Based Silica Nanoparticles as Carriers for Catalytically Active Biomacromolecules. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 9060-9067	5.6	1
4 <sup>00</sup>	Rapid template-guided ligand-free synthesis of ultrasmall Pt nanoclusters with efficient hydrogen evolution reaction activity and their versatile release. <i>Nano Select</i> , <b>2021</b> , 2, 758-767	3.1	4
399	Influence of the chirality of carbon nanodots on their interaction with proteins and cells. <i>Nature Communications</i> , <b>2021</b> , 12, 7208	17.4	5
398	Toward Diffusion Measurements of Colloidal Nanoparticles in Biological Environments by Nuclear Magnetic Resonance. <i>Small</i> , <b>2020</b> , 16, e2001160	11	3
397	Lysosomal Proton Buffering of Poly(ethylenimine) Measured by Fluorescent pH-Sensor Microcapsules. <i>ACS Nano</i> , <b>2020</b> , 14, 8012-8023	16.7	24
396	Colloids for nanobiotechnology: An introduction. <i>Frontiers of Nanoscience</i> , <b>2020</b> , 16, 1-7	0.7	

395	Synthesis, Characterization, and Evaluation of Superparamagnetic Doped Ferrites as Potential Therapeutic Nanotools. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 2220-2231	9.6	25
394	Ion Selective Transport of Alkali Ions through a Polyelectrolyte Membrane. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 2000419	4.6	1
393	Analyse quantitativer Partikel Aufnahme von Zellen über verschiedene Messmethoden. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 5478-5494	3.6	
392	Synthesis of Fluorescent Silver Nanoclusters: Introducing Bottom-Up and Top-Down Approaches to Nanochemistry in a Single Laboratory Class. <i>Journal of Chemical Education</i> , <b>2020</b> , 97, 239-243	2.4	12
391	Quantitative Particle Uptake by Cells as Analyzed by Different Methods. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 5438-5453	16.4	24
390	Biodegradation of Bi-Labeled Polymer-Coated Rare-Earth Nanoparticles in Adherent Cell Cultures. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 245-254	9.6	9
389	Development of Silica-Based Biodegradable Submicrometric Carriers and Investigating Their Characteristics as in Vitro Delivery Vehicles. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	6
388	Multimodal Imaging of Pancreatic Ductal Adenocarcinoma Using Multifunctional Nanoparticles as Contrast Agents. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> ,	9.5	10
387	Quantitative Assessment of Endosomal Escape of Various Endocytosed Polymer-Encapsulated Molecular Cargos upon Photothermal Heating. <i>Small</i> , <b>2020</b> , 16, e2003639	11	7
386	Linear Size Contraction of Ligand Protected Ag Clusters by Substituting Ag with Cu. <i>ACS Nano</i> , <b>2020</b> , 14, 15064-15070	16.7	11
385	Origin of Laser-Induced Colloidal Gold Surface Oxidation and Charge Density, and Its Role in Oxidation Catalysis. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 20981-20990	3.8	10
384	Functionalization of colloidal nanoparticles with a discrete number of ligands based on a "HALO-biclick" reaction. <i>Chemical Communications</i> , <b>2020</b> , 56, 11398-11401	5.8	3
383	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> , <b>2019</b> , 11, 41957-41971	9.5	31
382	Protein-Induced Shape Control of Noble Metal Nanoparticles. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1801407	4.6	28
381	The Future of Layer-by-Layer Assembly: A Tribute to ACS Nano Associate Editor Helmuth Möwald. <i>ACS Nano</i> , <b>2019</b> , 13, 6151-6169	16.7	127
380	Multiplexed Readout of Enzymatic Reactions by Means of Laterally Resolved Illumination of Quantum Dot Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 21830-21839	9.5	15
379	Biodegradable Alginate Polyelectrolyte Capsules As Plausible Biocompatible Delivery Carriers.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 3245-3256	4.1	15
378	Ligand density on nanoparticles: A parameter with critical impact on nanomedicine. <i>Advanced Drug Delivery Reviews</i> , <b>2019</b> , 143, 22-36	18.5	63

377	Sustainable Synthesis and Improved Colloidal Stability of Popcorn-Shaped Gold Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 9834-9841	8.3	15
376	Aqueous Stable Gold Nanostar/ZIF-8 Nanocomposites for Light-Triggered Release of Active Cargo Inside Living Cells. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 7078-7082	16.4	58
375	The Role of Ligands in the Chemical Synthesis and Applications of Inorganic Nanoparticles. <i>Chemical Reviews</i> , <b>2019</b> , 119, 4819-4880	68.1	375
374	Triple-Labeling of Polymer-Coated Quantum Dots and Adsorbed Proteins for Tracing their Fate in Cell Cultures. <i>ACS Nano</i> , <b>2019</b> , 13, 4631-4639	16.7	24
373	Aqueous Stable Gold Nanostar/ZIF-8 Nanocomposites for Light-Triggered Release of Active Cargo Inside Living Cells. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 7152-7156	3.6	9
372	Hybrids of Polymeric Capsules, Lipids, and Nanoparticles: Thermodynamics and Temperature Rise at the Nanoscale and Emerging Applications. <i>Langmuir</i> , <b>2019</b> , 35, 8574-8583	4	27
371	Nanobuffering of pH-Responsive Polymers: A Known but Sometimes Overlooked Phenomenon and Its Biological Applications. <i>ACS Nano</i> , <b>2019</b> , 13, 4876-4882	16.7	45
370	Investigating Possible Enzymatic Degradation on Polymer Shells around Inorganic Nanoparticles. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	12
369	Understanding the Interaction of Glutamate Salts with Serum Albumin Protected Prism-Shaped Silver Nanoparticles toward Glutamate Sensing. <i>Particle and Particle Systems Characterization</i> , <b>2019</b> , 36, 1800229	3.1	4
368	Protein-Protected Porous Bimetallic AgPt Nanoparticles with pH-Switchable Peroxidase/Catalase-Mimicking Activity <b>2019</b> , 1, 310-319		19
367	Assembly and Degradation of Inorganic Nanoparticles in Biological Environments. <i>Bioconjugate Chemistry</i> , <b>2019</b> , 30, 2751-2762	6.3	19
366	Tracking stem cells and macrophages with gold and iron oxide nanoparticles ¶The choice of the best suited particles. <i>Applied Materials Today</i> , <b>2019</b> , 15, 267-279	6.6	26
365	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> , <b>2019</b> , 62, 10912-10918	8.3	1
364	Remotely controlled opening of delivery vehicles and release of cargo by external triggers. <i>Advanced Drug Delivery Reviews</i> , <b>2019</b> , 138, 117-132	18.5	22
363	Protein-Mediated Shape Control of Silver Nanoparticles. <i>Bioconjugate Chemistry</i> , <b>2018</b> , 29, 1261-1265	6.3	36
362	Taking Advantage of Hydrophobic Fluorine Interactions for Self-Assembled Quantum Dots as a Delivery Platform for Enzymes. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 5127-5130	3.6	8
361	Taking Advantage of Hydrophobic Fluorine Interactions for Self-Assembled Quantum Dots as a Delivery Platform for Enzymes. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 5033-5036	16.4	26
360	Detailed investigation on how the protein corona modulates the physicochemical properties and gene delivery of polyethylenimine (PEI) polyplexes. <i>Biomaterials Science</i> , <b>2018</b> , 6, 1800-1817	7.4	32

359	Photoluminescence quenching of dye molecules near a resonant silicon nanoparticle. <i>Scientific Reports</i> , <b>2018</b> , 8, 6107	4.9	23
358	Toward an optically controlled brain. <i>Science</i> , <b>2018</b> , 359, 633-634	33.3	11
357	Laterally and Temporally Controlled Intracellular Staining by Light-Triggered Release of Encapsulated Fluorescent Markers. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 2098-2102	4.8	31
356	Structure and Thermal Stability of Stilbenedithiol SAMs on Au(111). <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2018</b> , 215, 1700859	1.6	0
355	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> , <b>2018</b> , 8, 5212-5220	13.1	30
354	Dynamic Extracellular Imaging of Biochemical Cell Activity Using InGaN/GaN Nanowire Arrays as Nanophotonic Probes. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1802503	15.6	3
353	Study of Fluorinated Quantum Dots-Protein Interactions at the Oil/Water Interface by Interfacial Surface Tension Changes. <i>Materials</i> , <b>2018</b> , 11,	3.5	5
352	Light-Driven Chloride Transport Kinetics of Halorhodopsin. <i>Biophysical Journal</i> , <b>2018</b> , 115, 353-360	2.9	4
351	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> , <b>2018</b> , 1, 1800016	4.3	8
350	Adaptive metabolic pattern biomarker for disease monitoring and staging of lung cancer with liquid biopsy. <i>Npj Precision Oncology</i> , <b>2018</b> , 2, 16	9.8	5
349	Up-Conversion Luminescence Properties of Lanthanide-Gold Hybrid Nanoparticles as Analyzed with Discrete Dipole Approximation. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	10
348	Minimum information reporting in bio-nano experimental literature. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 777-785	28.7	297
347	How Entanglement of Different Physicochemical Properties Complicates the Prediction of in Vitro and in Vivo Interactions of Gold Nanoparticles. <i>ACS Nano</i> , <b>2018</b> , 12, 10104-10113	16.7	81
346	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> , <b>2018</b> , 122, 22125-22136	3.8	56
345	Investigation of the Viability of Cells upon Co-Exposure to Gold and Iron Oxide Nanoparticles. <i>Bioconjugate Chemistry</i> , <b>2018</b> , 29, 2120-2125	6.3	10
344	Ion-Selective Ligands: How Colloidal Nano- and Micro-Particles Can Introduce New Functionalities. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2018</b> , 232, 1307-1317	3.1	5
343	Dual Enzymatic Reaction-Assisted Gemcitabine Delivery Systems for Programmed Pancreatic Cancer Therapy. <i>ACS Nano</i> , <b>2017</b> , 11, 1281-1291	16.7	129
342	Novel fluorinated ligands for gold nanoparticle labelling with applications in F-MRI. <i>Chemical Communications</i> , <b>2017</b> , 53, 2447-2450	5.8	17

341	Connecting quantum dots with enzymes: mediator-based approaches for the light-directed read-out of glucose and fructose oxidation. <i>Nanoscale</i> , <b>2017</b> , 9, 2814-2823	7.7	39
340	Positioning metal-organic framework nanoparticles within the context of drug delivery - A comparison with mesoporous silica nanoparticles and dendrimers. <i>Biomaterials</i> , <b>2017</b> , 123, 172-183	15.6	176
339	Dissecting common and divergent molecular pathways elicited by CdSe/ZnS quantum dots in freshwater and marine sentinel invertebrates. <i>Nanotoxicology</i> , <b>2017</b> , 11, 289-303	5.3	21
338	Nanoscience and Nanotechnology Cross Borders. <i>ACS Nano</i> , <b>2017</b> , 11, 1123-1126	16.7	3
337	Techniques for the experimental investigation of the protein corona. <i>Current Opinion in Biotechnology</i> , <b>2017</b> , 46, 106-113	11.4	89
336	Enhanced Terahertz Radiation Generation of Photoconductive Antennas Based on Manganese Ferrite Nanoparticles. <i>Scientific Reports</i> , <b>2017</b> , 7, 46261	4.9	6
335	Introducing Students to Surface Modification and Phase Transfer of Nanoparticles with a Laboratory Experiment. <i>Journal of Chemical Education</i> , <b>2017</b> , 94, 769-774	2.4	8
334	Accelerating Advances in Science, Engineering, and Medicine through Nanoscience and Nanotechnology. <i>ACS Nano</i> , <b>2017</b> , 11, 3423-3424	16.7	6
333	The role of intracellular trafficking of CdSe/ZnS QDs on their consequent toxicity profile. <i>Journal of Nanobiotechnology</i> , <b>2017</b> , 15, 45	9.4	18
332	Real-time, label-free monitoring of cell viability based on cell adhesion measurements with an atomic force microscope. <i>Journal of Nanobiotechnology</i> , <b>2017</b> , 15, 23	9.4	7
331	Colloidal Gold Nanoparticles Induce Changes in Cellular and Subcellular Morphology. <i>ACS Nano</i> , <b>2017</b> , 11, 7807-7820	16.7	60
330	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> , <b>2017</b> , 15, 24	9.4	26
329	Influence of Size and Shape on the Anatomical Distribution of Endotoxin-Free Gold Nanoparticles. <i>ACS Nano</i> , <b>2017</b> , 11, 5519-5529	16.7	99
328	Choose your cell model wisely: The in vitro nanoneurotoxicity of differentially coated iron oxide nanoparticles for neural cell labeling. <i>Acta Biomaterialia</i> , <b>2017</b> , 55, 204-213	10.8	12
327	Quantitative Particle-Cell Interaction: Some Basic Physicochemical Pitfalls. <i>Langmuir</i> , <b>2017</b> , 33, 6639-6646	16.7	56
326	Diverse Applications of Nanomedicine. <i>ACS Nano</i> , <b>2017</b> , 11, 2313-2381	16.7	714
325	Regeneration of arsenic spent adsorbents by Fe/MgO nanoparticles. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2017</b> , 92, 1876-1883	3.5	13
324	Polymer-coated nanoparticles: Carrier platforms for hydrophobic water- and air-sensitive metallo-organic compounds. <i>Pharmacological Research</i> , <b>2017</b> , 117, 261-266	10.2	12

323	Comprehensive and Systematic Analysis of the Immunocompatibility of Polyelectrolyte Capsules. <i>Bioconjugate Chemistry</i> , <b>2017</b> , 28, 556-564	6.3	36
322	Selected Standard Protocols for the Synthesis, Phase Transfer, and Characterization of Inorganic Colloidal Nanoparticles. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 399-461	9.6	176
321	Nanoparticles for radiooncology: Mission, vision, challenges. <i>Biomaterials</i> , <b>2017</b> , 120, 155-184	15.6	73
320	Maintenance of cellular respiration indicates drug resistance in acute myeloid leukemia. <i>Leukemia Research</i> , <b>2017</b> , 62, 56-63	2.7	13
319	Colloidal Stability and Surface Chemistry Are Key Factors for the Composition of the Protein Corona of Inorganic Gold Nanoparticles. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1701956	15.6	53
318	Involvement of two uptake mechanisms of gold and iron oxide nanoparticles in a co-exposure scenario using mouse macrophages. <i>Beilstein Journal of Nanotechnology</i> , <b>2017</b> , 8, 2396-2409	3	14
317	Synthesis and Surface Engineering of Gold Nanoparticles, and Their Potential Applications in Bionanotechnology <b>2017</b> ,		
316	SERS Quantification and Characterization of Proteins and Other Biomolecules. <i>Langmuir</i> , <b>2017</b> , 33, 9711-9730	17.3	80
315	Direct protein quantification in complex sample solutions by surface-engineered nanorod probes. <i>Scientific Reports</i> , <b>2017</b> , 7, 4752	4.9	8
314	In situ detection of the protein corona in complex environments. <i>Nature Communications</i> , <b>2017</b> , 8, 1542	17.4	98
313	Role of the Protein Corona Derived from Human Plasma in Cellular Interactions between Nanoporous Human Serum Albumin Particles and Endothelial Cells. <i>Bioconjugate Chemistry</i> , <b>2017</b> , 28, 2062-2068	6.3	30
312	Multiplexed Fluorophore Nanoparticle Hybrids for Extending the Range of pH Measurements. <i>Small Methods</i> , <b>2017</b> , 1, 1700153	12.8	5
311	Rare earth based nanostructured materials: synthesis, functionalization, properties and bioimaging and biosensing applications. <i>Nanophotonics</i> , <b>2017</b> , 6, 881-921	6.3	94
310	A Decade of the Protein Corona. <i>ACS Nano</i> , <b>2017</b> , 11, 11773-11776	16.7	329
309	Carbon nanotubes gathered onto silica particles lose their biomimetic properties with the cytoskeleton becoming biocompatible. <i>International Journal of Nanomedicine</i> , <b>2017</b> , 12, 6317-6328	7.3	20
308	Metabolic pathway for the universal fluorescent recognition of tumor cells. <i>Oncotarget</i> , <b>2017</b> , 8, 76108-76115	7.5	3
307	Patients, Here Comes More Nanotechnology. <i>ACS Nano</i> , <b>2016</b> , 10, 8139-42	16.7	37
306	Programmed pH-Responsive Microcapsules for the Controlled Release of CdSe/ZnS Quantum Dots. <i>ACS Nano</i> , <b>2016</b> , 10, 8683-9	16.7	52



305	Catalysis by multifunctional polyelectrolyte capsules. <i>RSC Advances</i> , <b>2016</b> , 6, 81569-81577	3.7	17
304	Zwitterionic surface coating of quantum dots reduces protein adsorption and cellular uptake. <i>Nanoscale</i> , <b>2016</b> , 8, 17794-17800	7.7	51
303	Luminescent Rare-earth-based Nanoparticles: A Summarized Overview of their Synthesis, Functionalization, and Applications. <i>Topics in Current Chemistry</i> , <b>2016</b> , 374, 48	7.2	38
302	Evaluation of quantum dot cytotoxicity: interpretation of nanoparticle concentrations versus intracellular nanoparticle numbers. <i>Nanotoxicology</i> , <b>2016</b> , 10, 1318-28	5.3	26
301	The impact of species and cell type on the nanosafety profile of iron oxide nanoparticles in neural cells. <i>Journal of Nanobiotechnology</i> , <b>2016</b> , 14, 69	9.4	35
300	Optical sensing by integration of analyte-sensitive fluorophore to particles. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2016</b> , 84, 84-96	14.6	7
299	Quantitative uptake of colloidal particles by cell cultures. <i>Science of the Total Environment</i> , <b>2016</b> , 568, 819-828	10.2	33
298	Design of pyridyl-modified amphiphilic polymeric ligands: Towards better passivation of water-soluble colloidal quantum dots for improved optical performance. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 478, 88-96	9.3	14
297	Drug Delivery: The Application of Stimuli-Responsive VEGF- and ATP-Aptamer-Based Microcapsules for the Controlled Release of an Anticancer Drug, and the Selective Targeted Cytotoxicity toward Cancer Cells (Adv. Funct. Mater. 24/2016). <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 4423-4423	15.6	1
296	Control of Wnt/ $\beta$ -Catenin Signaling Pathway in Vivo via Light Responsive Capsules. <i>ACS Nano</i> , <b>2016</b> , 10, 4828-34	16.7	47
295	Nanomaterials. Controlled interaction of nanoparticles with cells. <i>Science</i> , <b>2016</b> , 351, 814-5	33.3	21
294	One-Step Synthesis and Characterization of N-Doped Carbon Nanodots for Sensing in Organic Media. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 3178-85	7.8	34
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