

# Wolfgang J Parak

## List of Publications by Citations

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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	Antibacterial properties of nanoparticles. <i>Trends in Biotechnology</i> , <b>2012</b> , 30, 499-511	15.1	1665
429	Biological applications of gold nanoparticles. <i>Chemical Society Reviews</i> , <b>2008</b> , 37, 1896-908	58.5	1430
428	Cytotoxicity of colloidal CdSe and CdSe/ZnS nanoparticles. <i>Nano Letters</i> , <b>2005</b> , 5, 331-8	11.5	1419
427	Surface modification, functionalization and bioconjugation of colloidal inorganic nanoparticles. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2010</b> , 368, 1333-83	3	1146
426	Synthesis and Properties of Biocompatible Water-Soluble Silica-Coated CdSe/ZnS Semiconductor Quantum Dots. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 8861-8871	3.4	1128
425	Biological applications of magnetic nanoparticles. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 4306-34	58.5	939
424	Hydrophobic Nanocrystals Coated with an Amphiphilic Polymer Shell: A General Route to Water Soluble Nanocrystals. <i>Nano Letters</i> , <b>2004</b> , 4, 703-707	11.5	930
423	Prospects of nanoscience with nanocrystals. <i>ACS Nano</i> , <b>2015</b> , 9, 1012-57	16.7	849
422	Diverse Applications of Nanomedicine. <i>ACS Nano</i> , <b>2017</b> , 11, 2313-2381	16.7	714
421	Gold nanoparticles quench fluorescence by phase induced radiative rate suppression. <i>Nano Letters</i> , <b>2005</b> , 5, 585-9	11.5	658
420	Synthesis, characterization, and bioconjugation of fluorescent gold nanoclusters toward biological labeling applications. <i>ACS Nano</i> , <b>2009</b> , 3, 395-401	16.7	642
419	Biological applications of colloidal nanocrystals. <i>Nanotechnology</i> , <b>2003</b> , 14, R15-R27	3.4	626
418	A quantitative fluorescence study of protein monolayer formation on colloidal nanoparticles. <i>Nature Nanotechnology</i> , <b>2009</b> , 4, 577-80	28.7	610
417	Surface Functionalization of Nanoparticles with Polyethylene Glycol: Effects on Protein Adsorption and Cellular Uptake. <i>ACS Nano</i> , <b>2015</b> , 9, 6996-7008	16.7	587
416	Cellular toxicity of inorganic nanoparticles: Common aspects and guidelines for improved nanotoxicity evaluation. <i>Nano Today</i> , <b>2011</b> , 6, 446-465	17.9	506
415	The role of metal nanoparticles in remote release of encapsulated materials. <i>Nano Letters</i> , <b>2005</b> , 5, 1371-1375	11.5	480
414	Laser-induced release of encapsulated materials inside living cells. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 4612-7	16.4	442

413	Electrophoretic Isolation of Discrete Au Nanocrystal/DNA Conjugates. <i>Nano Letters</i> , <b>2001</b> , 1, 32-35	11.5	419
412	Biodistribution of PEG-modified gold nanoparticles following intratracheal instillation and intravenous injection. <i>Biomaterials</i> , <b>2010</b> , 31, 6574-81	15.6	411
411	Protein corona formation around nanoparticles [From the past to the future]. <i>Materials Horizons</i> , <b>2014</b> , 1, 301-313	14.4	401
410	Polymer-coated nanoparticles interacting with proteins and cells: focusing on the sign of the net charge. <i>ACS Nano</i> , <b>2013</b> , 7, 3253-63	16.7	390
409	Labelling of cells with quantum dots. <i>Nanotechnology</i> , <b>2005</b> , 16, R9-R25	3.4	389
408	Design of an amphiphilic polymer for nanoparticle coating and functionalization. <i>Small</i> , <b>2008</b> , 4, 334-41	11	387
407	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
406	Size and surface effects on the MRI relaxivity of manganese ferrite nanoparticle contrast agents. <i>Nano Letters</i> , <b>2007</b> , 7, 2422-7	11.5	369
405	(Intra)cellular stability of inorganic nanoparticles: effects on cytotoxicity, particle functionality, and biomedical applications. <i>Chemical Reviews</i> , <b>2015</b> , 115, 2109-35	68.1	348
404	CuTe nanocrystals: shape and size control, plasmonic properties, and use as SERS probes and photothermal agents. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 7098-101	16.4	342
403	Cell Motility and Metastatic Potential Studies Based on Quantum Dot Imaging of Phagokinetic Tracks. <i>Advanced Materials</i> , <b>2002</b> , 14, 882	24	332
402	A Decade of the Protein Corona. <i>ACS Nano</i> , <b>2017</b> , 11, 11773-11776	16.7	329
401	On the development of colloidal nanoparticles towards multifunctional structures and their possible use for biological applications. <i>Small</i> , <b>2005</b> , 1, 48-63	11	322
400	The challenge to relate the physicochemical properties of colloidal nanoparticles to their cytotoxicity. <i>Accounts of Chemical Research</i> , <b>2013</b> , 46, 743-9	24.3	297
399	Minimum information reporting in bio-nano experimental literature. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 777-785	28.7	297
398	Conformation of Oligonucleotides Attached to Gold Nanocrystals Probed by Gel Electrophoresis. <i>Nano Letters</i> , <b>2003</b> , 3, 33-36	11.5	292
397	In vivo degeneration and the fate of inorganic nanoparticles. <i>Chemical Society Reviews</i> , <b>2016</b> , 45, 2440-57	38.5	289
396	Quantitative evaluation of cellular uptake and trafficking of plain and polyethylene glycol-coated gold nanoparticles. <i>Small</i> , <b>2010</b> , 6, 1669-78	11	277

395	Room-temperature single-nucleotide polymorphism and multiallele DNA detection using fluorescent nanocrystals and microarrays. <i>Analytical Chemistry</i> , <b>2003</b> , 75, 4766-72	7.8	274
394	Conjugation of DNA to Silanized Colloidal Semiconductor Nanocrystalline Quantum Dots. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 2113-2119	9.6	274
393	Quantum-dot-based photoelectrochemical sensors for chemical and biological detection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 2800-14	9.5	273
392	In vivo integrity of polymer-coated gold nanoparticles. <i>Nature Nanotechnology</i> , <b>2015</b> , 10, 619-23	28.7	269
391	Correlating physico-chemical with toxicological properties of nanoparticles: the present and the future. <i>ACS Nano</i> , <b>2010</b> , 4, 5527-31	16.7	269
390	Sorting fluorescent nanocrystals with DNA. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 7070-4	16.4	263
389	Dissecting the molecular mechanism of apoptosis during photothermal therapy using gold nanoprisms. <i>ACS Nano</i> , <b>2015</b> , 9, 52-61	16.7	260
388	Sequential Growth of Magic-Size CdSe Nanocrystals. <i>Advanced Materials</i> , <b>2007</b> , 19, 548-552	24	259
387	Nanoengineered polymer capsules: tools for detection, controlled delivery, and site-specific manipulation. <i>Small</i> , <b>2005</b> , 1, 194-200	11	259
386	Polyelectrolyte microcapsules for biomedical applications. <i>Soft Matter</i> , <b>2009</b> , 5, 282-291	3.6	255
385	Interaction of colloidal nanoparticles with their local environment: the (ionic) nanoenvironment around nanoparticles is different from bulk and determines the physico-chemical properties of the nanoparticles. <i>Journal of the Royal Society Interface</i> , <b>2014</b> , 11, 20130931	4.1	254
384	Temperature: the "ignored" factor at the NanoBio interface. <i>ACS Nano</i> , <b>2013</b> , 7, 6555-62	16.7	253
383	Polymer-coated nanoparticles: a universal tool for biolabelling experiments. <i>Small</i> , <b>2011</b> , 7, 3113-27	11	246
382	Polymer microcapsules as mobile local pH-sensors. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 4471		223
381	Selective growth of PbSe on one or both tips of colloidal semiconductor nanorods. <i>Nano Letters</i> , <b>2005</b> , 5, 445-9	11.5	216
380	Multifunctionalized polymer microcapsules: novel tools for biological and pharmacological applications. <i>Small</i> , <b>2007</b> , 3, 944-55	11	210
379	Cytotoxic effects of gold nanoparticles: a multiparametric study. <i>ACS Nano</i> , <b>2012</b> , 6, 5767-83	16.7	200
378	LbL multilayer capsules: recent progress and future outlook for their use in life sciences. <i>Nanoscale</i> , <b>2010</b> , 2, 458-67	7.7	196

377	Electrophoretic and Structural Studies of DNA-Directed Au Nanoparticle Groupings. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 11758-11763	3.4	190
376	The state of nanoparticle-based nanoscience and biotechnology: progress, promises, and challenges. <i>ACS Nano</i> , <b>2012</b> , 6, 8468-83	16.7	188
375	Electrophoretic Separation of Nanoparticles with a Discrete Number of Functional Groups. <i>Advanced Functional Materials</i> , <b>2006</b> , 16, 943-948	15.6	188
374	Back to Basics: Exploiting the Innate Physico-chemical Characteristics of Nanomaterials for Biomedical Applications. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 5936-5955	15.6	180
373	Investigating the cytoskeleton of chicken cardiocytes with the atomic force microscope. <i>Journal of Structural Biology</i> , <b>1997</b> , 119, 84-91	3.4	178
372	Magnetic targeting and cellular uptake of polymer microcapsules simultaneously functionalized with magnetic and luminescent nanocrystals. <i>Langmuir</i> , <b>2005</b> , 21, 4262-5	4	178
371	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
370	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
369	One-Dimensional Arrangement of Gold Nanoparticles by Electrospinning. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 4949-4957	9.6	176
368	Water dispersible upconverting nanoparticles: effects of surface modification on their luminescence and colloidal stability. <i>Nanoscale</i> , <b>2015</b> , 7, 1403-10	7.7	172
367	Intracellular processing of proteins mediated by biodegradable polyelectrolyte capsules. <i>Nano Letters</i> , <b>2009</b> , 9, 4398-402	11.5	170
366	Air-blood barrier translocation of tracheally instilled gold nanoparticles inversely depends on particle size. <i>ACS Nano</i> , <b>2014</b> , 8, 222-33	16.7	167
365	Synthesis and characterization of polymer-coated quantum dots with integrated acceptor dyes as FRET-based nanoprobes. <i>Nano Letters</i> , <b>2007</b> , 7, 2613-7	11.5	165
364	Quantitative analysis of the protein corona on FePt nanoparticles formed by transferrin binding. <i>Journal of the Royal Society Interface</i> , <b>2010</b> , 7 Suppl 1, S5-S13	4.1	164
363	Uptake of Colloidal Polyelectrolyte-Coated Particles and Polyelectrolyte Multilayer Capsules by Living Cells. <i>Advanced Materials</i> , <b>2008</b> , 20, 4281-4287	24	162
362	Controlled antibody/(bio-) conjugation of inorganic nanoparticles for targeted delivery. <i>Advanced Drug Delivery Reviews</i> , <b>2013</b> , 65, 677-88	18.5	155
361	Interfacing engineered nanoparticles with biological systems: anticipating adverse nano-bio interactions. <i>Small</i> , <b>2013</b> , 9, 1573-84	11	154
360	Size Determination of (Bio)conjugated Water-Soluble Colloidal Nanoparticles: A Comparison of Different Techniques. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 11552-11559	3.8	153

359	Multiple wurtzite twinning in CdTe nanocrystals induced by methylphosphonic acid. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 748-55	16.4	150
358	Multiple internalization pathways of polyelectrolyte multilayer capsules into mammalian cells. <i>ACS Nano</i> , <b>2013</b> , 7, 6605-18	16.7	149
357	Fluorescent, magnetic and plasmonic hybrid multifunctional colloidal nano objects. <i>Nano Today</i> , <b>2012</b> , 7, 282-296	17.9	149
356	Nanopharmacy: Inorganic nanoscale devices as vectors and active compounds. <i>Pharmacological Research</i> , <b>2010</b> , 62, 115-25	10.2	148
355	Substrate dependent differences in morphology and elasticity of living osteoblasts investigated by atomic force microscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2000</b> , 19, 367-379	6	146
354	Polymeric multilayer capsules delivering biotherapeutics. <i>Advanced Drug Delivery Reviews</i> , <b>2011</b> , 63, 748-615	16.5	143
353	Stiffness-dependent in vitro uptake and lysosomal acidification of colloidal particles. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 1365-8	16.4	142
352	Multiple particle tracking in 3-D+t microscopy: method and application to the tracking of endocytosed quantum dots. <i>IEEE Transactions on Image Processing</i> , <b>2006</b> , 15, 1062-70	8.7	141
351	Photoactivated release of cargo from the cavity of polyelectrolyte capsules to the cytosol of cells. <i>Langmuir</i> , <b>2008</b> , 24, 12517-20	4	131
350	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
349	Gold nanostoves for microsecond DNA melting analysis. <i>Nano Letters</i> , <b>2008</b> , 8, 619-23	11.5	129
348	Luminescent CdTe nanocrystals as ion probes and pH sensors in aqueous solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2006</b> , 281, 40-43	5.1	129
347	Magnetic Resonance Imaging Contrast Agents Based on Iron Oxide Superparamagnetic Ferrofluids. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 1739-1748	9.6	128
346	The Future of Layer-by-Layer Assembly: A Tribute to ACS Nano Associate Editor Helmut Möhwald. <i>ACS Nano</i> , <b>2019</b> , 13, 6151-6169	16.7	127
345	Mapping the mechanical pulse of single cardiomyocytes with the atomic force microscope. <i>European Biophysics Journal</i> , <b>1999</b> , 28, 179-86	1.9	127
344	Physicochemical properties of protein-coated gold nanoparticles in biological fluids and cells before and after proteolytic digestion. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 4179-83	16.4	126
343	The Toxicity of Silver Nanoparticles Depends on Their Uptake by Cells and Thus on Their Surface Chemistry. <i>Particle and Particle Systems Characterization</i> , <b>2013</b> , 30, 1079-1085	3.1	124
342	Surface Enhanced Raman Scattering Encoded Gold Nanostars for Multiplexed Cell Discrimination. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 6779-6790	9.6	121

341	Combined atomic force microscopy and optical microscopy measurements as a method to investigate particle uptake by cells. <i>Small</i> , <b>2006</b> , 2, 394-400	11	118
340	Molecular Weight, Osmotic Second Virial Coefficient, and Extinction Coefficient of Colloidal CdSe Nanocrystals. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 5500-5505	3.4	117
339	On the mechanical stability of polymeric microcontainers functionalized with nanoparticles. <i>Soft Matter</i> , <b>2009</b> , 5, 148-155	3.6	115
338	In vitro interaction of colloidal nanoparticles with mammalian cells: What have we learned thus far?. <i>Beilstein Journal of Nanotechnology</i> , <b>2014</b> , 5, 1477-90	3	114
337	Composite nanoparticles take aim at cancer. <i>ACS Nano</i> , <b>2008</b> , 2, 2200-5	16.7	113
336	Cytotoxicity of nanoparticle-loaded polymer capsules. <i>Talanta</i> , <b>2005</b> , 67, 486-91	6.2	109
335	Characterization of protein adsorption onto FePt nanoparticles using dual-focus fluorescence correlation spectroscopy. <i>Beilstein Journal of Nanotechnology</i> , <b>2011</b> , 2, 374-83	3	106
334	Light-controlled bioelectrochemical sensor based on CdSe/ZnS quantum dots. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 7778-85	7.8	105
333	Basic Physicochemical Properties of Polyethylene Glycol Coated Gold Nanoparticles that Determine Their Interaction with Cells. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 5483-7	16.4	103
332	Magnetically triggered release of molecular cargo from iron oxide nanoparticle loaded microcapsules. <i>Nanoscale</i> , <b>2015</b> , 7, 570-6	7.7	100
331	The influence of the size and aspect ratio of anisotropic, porous CaCO <sub>3</sub> particles on their uptake by cells. <i>Journal of Nanobiotechnology</i> , <b>2015</b> , 13, 53	9.4	100
330	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
329	Multifunctional nanoparticles for dual imaging. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 2877-82	7.8	99
328	Bioanalytics and biolabeling with semiconductor nanoparticles (quantum dots). <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 1343-1346		99
327	Light-addressable capsules as caged compound matrix for controlled triggering of cytosolic reactions. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 695-9	16.4	98
326	In situ detection of the protein corona in complex environments. <i>Nature Communications</i> , <b>2017</b> , 8, 1542	17.4	98
325	Quantification of the internalization patterns of superparamagnetic iron oxide nanoparticles with opposite charge. <i>Journal of Nanobiotechnology</i> , <b>2012</b> , 10, 28	9.4	96
324	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

323	pH-sensitive capsules as intracellular optical reporters for monitoring lysosomal pH changes upon stimulation. <i>Small</i> , <b>2012</b> , 8, 943-8	11	94
322	Tumour homing and therapeutic effect of colloidal nanoparticles depend on the number of attached antibodies. <i>Nature Communications</i> , <b>2016</b> , 7, 13818	17.4	93
321	NIR-light triggered delivery of macromolecules into the cytosol. <i>Journal of Controlled Release</i> , <b>2012</b> , 159, 120-7	11.7	90
320	Ion and pH sensing with colloidal nanoparticles: influence of surface charge on sensing and colloidal properties. <i>ChemPhysChem</i> , <b>2010</b> , 11, 730-5	3.2	90
319	Gel electrophoresis of gold-DNA nanoconjugates. <i>Journal of Biomedicine and Biotechnology</i> , <b>2007</b> , 2007, 26796		90
318	Techniques for the experimental investigation of the protein corona. <i>Current Opinion in Biotechnology</i> , <b>2017</b> , 46, 106-113	11.4	89
317	Cell-imprinted substrates direct the fate of stem cells. <i>ACS Nano</i> , <b>2013</b> , 7, 8379-84	16.7	89
316	Catalytic azide reduction in biological environments. <i>ChemBioChem</i> , <b>2012</b> , 13, 1116-20	3.8	88
315	Phase Transfer and Polymer Coating Methods toward Improving the Stability of Metallic Nanoparticles for Biological Applications. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 990-997	9.6	87
314	Multiplexed sensing of ions with barcoded polyelectrolyte capsules. <i>ACS Nano</i> , <b>2011</b> , 5, 9668-74	16.7	87
313	Nanoparticle-modified polyelectrolyte capsules. <i>Nano Today</i> , <b>2008</b> , 3, 12-21	17.9	87
312	Fluorescent-magnetic hybrid nanoparticles induce a dose-dependent increase in proinflammatory response in lung cells in vitro correlated with intracellular localization. <i>Small</i> , <b>2010</b> , 6, 753-62	11	86
311	Adenosine Triphosphate-Triggered Release of Macromolecular and Nanoparticle Loads from Aptamer/DNA-Cross-Linked Microcapsules. <i>ACS Nano</i> , <b>2015</b> , 9, 9078-86	16.7	82
310	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
309	Protein-mediated synthesis, pH-induced reversible agglomeration, toxicity and cellular interaction of silver nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 102, 511-8	6	80
308	SERS Quantification and Characterization of Proteins and Other Biomolecules. <i>Langmuir</i> , <b>2017</b> , 33, 9711-9730	17.3	80
307	Exploration of MOF nanoparticle sizes using various physical characterization methods ¶s what you measure what you get?. <i>CrystEngComm</i> , <b>2016</b> , 18, 4359-4368	3.3	79
306	Quantum dots on gold: electrodes for photoswitchable cytochrome C electrochemistry. <i>Small</i> , <b>2006</b> , 2, 741-3	11	78



305	Model Driven Optimization of Magnetic Anisotropy of Exchange-coupled Core-Shell Ferrite Nanoparticles for Maximal Hysteretic Loss. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 7380-7387	9.6	76
304	Blue light emitting diodes based on fluorescent CdSe/ZnS nanocrystals. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 051106	3.4	76
303	Nanomedicine delivery: does protein corona route to the target or off road?. <i>Nanomedicine</i> , <b>2015</b> , 10, 3231-47	5.6	75
302	Laser-Induced Release of Encapsulated Materials inside Living Cells. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 4728-4733	3.6	74
301	Nanoparticles for radiooncology: Mission, vision, challenges. <i>Biomaterials</i> , <b>2017</b> , 120, 155-184	15.6	73
300	Effects of surface functionalization on the adsorption of human serum albumin onto nanoparticles - a fluorescence correlation spectroscopy study. <i>Beilstein Journal of Nanotechnology</i> , <b>2014</b> , 5, 2036-47	3	73
299	Bridge over troubled waters: understanding the synthetic and biological identities of engineered nanomaterials. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2013</b> , 5, 111-29	9.2	73
298	A novel flow-cytometry-based assay for cellular uptake studies of polyelectrolyte microcapsules. <i>Small</i> , <b>2008</b> , 4, 1763-8	11	73
297	Magnetic Capsules for NMR Imaging: Effect of Magnetic Nanoparticles Spatial Distribution and Aggregation. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 6257-6264	3.8	72
296	Quantitative surface-enhanced Raman scattering ultradetection of atomic inorganic ions: the case of chloride. <i>ACS Nano</i> , <b>2011</b> , 5, 7539-46	16.7	69
295	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. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 4262-4273	15.6	69
294	Quantum dot-based cell motility assay. <i>Differentiation</i> , <b>2003</b> , 71, 542-8	3.5	68
293	Discontinuous Growth of III-V Semiconductor Nanocrystals from Different Materials. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 6205-6215	3.8	66
292	Quantum-dot-modified electrode in combination with NADH-dependent dehydrogenase reactions for substrate analysis. <i>Langmuir</i> , <b>2010</b> , 26, 1395-400	4	66
291	Rhenium complexes with visible-light-induced anticancer activity. <i>ChemMedChem</i> , <b>2013</b> , 8, 924-7	3.7	65
290	Homogeneous Biosensing Based on Magnetic Particle Labels. <i>Sensors</i> , <b>2016</b> , 16,	3.8	65
289	Plasmonic nanoprobe for real-time optical monitoring of nitric oxide inside living cells. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 13694-8	16.4	64
288	Ligand exchange of CdSe nanocrystals probed by optical spectroscopy in the visible and mid-IR. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 2728		64

287	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
286	Ratiometric optical sensing of chloride ions with organic fluorophore-gold nanoparticle hybrids: a systematic study of design parameters and surface charge effects. <i>Small</i> , <b>2010</b> , 6, 2590-7	11	63
285	Multiplexed sensing and imaging with colloidal nano- and microparticles. <i>Annual Review of Analytical Chemistry</i> , <b>2013</b> , 6, 53-81	12.5	62
284	Gene silencing mediated by magnetic lipospheres tagged with small interfering RNA. <i>Nano Letters</i> , <b>2010</b> , 10, 3914-21	11.5	62
283	High-Content Imaging and Gene Expression Approaches To Unravel the Effect of Surface Functionality on Cellular Interactions of Silver Nanoparticles. <i>ACS Nano</i> , <b>2015</b> , 9, 10431-44	16.7	61
282	Biodegradable capsules as non-viral vectors for in vitro delivery of PEI/siRNA polyplexes for efficient gene silencing. <i>Journal of Controlled Release</i> , <b>2014</b> , 196, 132-8	11.7	61
281	Synthesis and characterization of ratiometric ion-sensitive polyelectrolyte capsules. <i>Small</i> , <b>2011</b> , 7, 351-63	6.3	61
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30	Iron-oxide colloidal nanoclusters: from fundamental physical properties to diagnosis and therapy <b>2014</b> ,		1
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