

# Daniel Geissler

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

1,308  
citations

516561

16  
h-index

501076

28  
g-index

32  
all docs

32  
docs citations

32  
times ranked

2035  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum Dot Biosensors for Ultrasensitive Multiplexed Diagnostics. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1396-1401.	7.2	263
2	Six-Color Time-Resolved Förster Resonance Energy Transfer for Ultrasensitive Multiplexed Biosensing. <i>Journal of the American Chemical Society</i> , 2013, 135, 1102-1109.	6.6	166
3	A Rapid, Amplification-Free, and Sensitive Diagnostic Assay for Single-Step Multiplexed Fluorescence Detection of MicroRNA. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10024-10029.	7.2	164
4	Lanthanides and Quantum Dots as Förster Resonance Energy Transfer Agents for Diagnostics and Cellular Imaging. <i>Inorganic Chemistry</i> , 2014, 53, 1824-1838.	1.9	121
5	A Quantum-Dot-Based Molecular Ruler for Multiplexed Optical Analysis. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7570-7574.	7.2	78
6	Critical review of the determination of photoluminescence quantum yields of luminescent reporters. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 59-78.	1.9	70
7	A systematic comparison of different techniques to determine the zeta potential of silica nanoparticles in biological medium. <i>Analytical Methods</i> , 2015, 7, 9835-9843.	1.3	64
8	Recent developments in Förster resonance energy transfer (FRET) diagnostics using quantum dots. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 4475-4483.	1.9	63
9	Excitation wavelength dependence of the photoluminescence quantum yield and decay behavior of CdSe/CdS quantum dot/quantum rods with different aspect ratios. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 12509-12516.	1.3	42
10	Terbium to Quantum Dot FRET Bioconjugates for Clinical Diagnostics: Influence of Human Plasma on Optical and Assembly Properties. <i>Sensors</i> , 2011, 11, 9667-9684.	2.1	36
11	Effect of fluorescent staining on size measurements of polymeric nanoparticles using DLS and SAXS. <i>Analytical Methods</i> , 2015, 7, 9785-9790.	1.3	30
12	Reference materials and representative test materials to develop nanoparticle characterization methods: the NanoChOp project case. <i>Frontiers in Chemistry</i> , 2015, 3, 56.	1.8	23
13	Multimodal Cleavable Reporters versus Conventional Labels for Optical Quantification of Accessible Amino and Carboxy Groups on Nano- and Microparticles. <i>Analytical Chemistry</i> , 2018, 90, 5887-5895.	3.2	23
14	Determining the Thickness and Completeness of the Shell of Polymer Core-Shell Nanoparticles by X-ray Photoelectron Spectroscopy, Secondary Ion Mass Spectrometry, and Transmission Scanning Electron Microscopy. <i>Journal of Physical Chemistry C</i> , 2019, 123, 29765-29775.	1.5	21
15	Analyzing the surface of functional nanomaterials—how to quantify the total and derivatizable number of functional groups and ligands. <i>Mikrochimica Acta</i> , 2021, 188, 321.	2.5	21
16	An automatable platform for genotoxicity testing of nanomaterials based on the fluorometric $^3\text{H}$ -H2AX assay reveals no genotoxicity of properly surface-shielded cadmium-based quantum dots. <i>Nanoscale</i> , 2019, 11, 13458-13468.	2.8	17
17	Semiconductor Quantum Dots as FRET Acceptors for Multiplexed Diagnostics and Molecular Ruler Application. <i>Advances in Experimental Medicine and Biology</i> , 2012, 733, 75-86.	0.8	15
18	Combining HR-TEM and XPS to elucidate the core-shell structure of ultrabright CdSe/CdS semiconductor quantum dots. <i>Scientific Reports</i> , 2020, 10, 20712.	1.6	15

#	ARTICLE	IF	CITATIONS
19	Quantification of Anisotropy-Related Uncertainties in Relative Photoluminescence Quantum Yield Measurements of Nanomaterials " Semiconductor Quantum Dots and Rods. Zeitschrift Fur Physikalische Chemie, 2015, 229, 153-165.	1.4	12
20	Three-in-One Crystal: The Coordination Diversity of Zinc Polypyridine Complexes. European Journal of Inorganic Chemistry, 2017, 2017, 5033-5040.	1.0	10
21	Fluorescence Quantum Yield and Single-Particle Emission of CdSe Dot/CdS Rod Nanocrystals. Journal of Physical Chemistry C, 2019, 123, 24338-24346.	1.5	10
22	Multimodal Cleavable Reporters for Quantifying Carboxy and Amino Groups on Organic and Inorganic Nanoparticles. Scientific Reports, 2019, 9, 17577.	1.6	10
23	Ein Quantenpunkt-basiertes molekulares Lineal zur optischen Multiplexanalyse. Angewandte Chemie, 2010, 122, 7732-7736.	1.6	6
24	Fluorescent quantum dot hydrophilization with PAMAM dendrimer. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	4
25	Multiplexed diagnostics and spectroscopic ruler applications with terbium to quantum dots FRET. Proceedings of SPIE, 2009, , .	0.8	3
26	Quantum dots as FRET acceptors for highly sensitive multiplexing immunoassays. Proceedings of SPIE, 2009, , .	0.8	2
27	Optical size determination of quantum dots using FRET with terbium complexes as donors. , 2010, , .		1
28	Time-resolved and steady-state FRET spectroscopy on commercial biocompatible quantum dots. , 2011, , .		1
29	Tumor specific lung cancer diagnostics with multiplexed FRET immunoassays. , 2010, , .		0