List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Cellular Uptake and Fate of PEGylated Gold Nanoparticles Is Dependent on Both Cell-Penetration Peptides and Particle Size. ACS Nano, 2011, 5, 6434-6448.	14.6	381
2	Quantum Dots as Simultaneous Acceptors and Donors in Time-Gated Förster Resonance Energy Transfer Relays: Characterization and Biosensing. Journal of the American Chemical Society, 2012, 134, 1876-1891.	13.7	234
3	Multiple UV wavelength excitation and fluorescence of bioaerosols. Optics Express, 2004, 12, 4457.	3.4	153
4	Self-Assembled Quantum Dot-Sensitized Multivalent DNA Photonic Wires. Journal of the American Chemical Society, 2010, 132, 18177-18190.	13.7	128
5	Selecting Improved Peptidyl Motifs for Cytosolic Delivery of Disparate Protein and Nanoparticle Materials. ACS Nano, 2013, 7, 3778-3796.	14.6	124
6	PEGylated Luminescent Gold Nanoclusters: Synthesis, Characterization, Bioconjugation, and Application to One―and Twoâ€Photon Cellular Imaging. Particle and Particle Systems Characterization, 2013, 30, 453-466.	2.3	108
7	Evaluating the potential of using quantum dots for monitoring electrical signals in neurons. Nature Nanotechnology, 2018, 13, 278-288.	31.5	96
8	A New Family of Pyridine-Appended Multidentate Polymers As Hydrophilic Surface Ligands for Preparing Stable Biocompatible Quantum Dots. Chemistry of Materials, 2014, 26, 5327-5344.	6.7	94
9	Electric Field Modulation of Semiconductor Quantum Dot Photoluminescence: Insights Into the Design of Robust Voltage-Sensitive Cellular Imaging Probes. Nano Letters, 2015, 15, 6848-6854.	9.1	85
10	Gated fiber-optic-coupled detector for in vivo real-time radiation dosimetry. Applied Optics, 2004, 43, 1663.	2.1	74
11	Purple-, Blue-, and Green-Emitting Multishell Alloyed Quantum Dots: Synthesis, Characterization, and Application for Ratiometric Extracellular pH Sensing. Chemistry of Materials, 2017, 29, 7330-7344.	6.7	74
12	Quantum dot–based multiphoton fluorescent pipettes for targeted neuronal electrophysiology. Nature Methods, 2014, 11, 1237-1241.	19.0	70
13	Spectral characterization of biological aerosol particles using two-wavelength excited laser-induced fluorescence and elastic scattering measurements. Optics Express, 2011, 19, 6191.	3.4	68
14	Quantum Dot–Peptide–Fullerene Bioconjugates for Visualization of <i>in Vitro</i> and <i>in Vivo</i> Cellular Membrane Potential. ACS Nano, 2017, 11, 5598-5613.	14.6	68
15	Delivery and Tracking of Quantum Dot Peptide Bioconjugates in an Intact Developing Avian Brain. ACS Chemical Neuroscience, 2015, 6, 494-504.	3.5	67
16	Energy Transfer Sensitization of Luminescent Gold Nanoclusters: More than Just the Classical Förster Mechanism. Scientific Reports, 2016, 6, 35538.	3.3	66
17	Concurrent Modulation of Quantum Dot Photoluminescence Using a Combination of Charge Transfer and Förster Resonance Energy Transfer: Competitive Quenching and Multiplexed Biosensing Modality. Journal of the American Chemical Society, 2017, 139, 363-372.	13.7	64
18	Competition between Förster Resonance Energy Transfer and Electron Transfer in Stoichiometrically Assembled Semiconductor Quantum Dot–Fullerene Conjugates. ACS Nano, 2013, 7, 9489-9505.	14.6	62

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19	Nanoparticle Targeting to Neurons in a Rat Hippocampal Slice Culture Model. ASN Neuro, 2012, 4, AN20120042.	2.7	61
20	Achieving Effective Terminal Exciton Delivery in Quantum Dot Antenna-Sensitized Multistep DNA Photonic Wires. ACS Nano, 2013, 7, 7101-7118.	14.6	61
21	Colloidal Stability of Gold Nanoparticles Coated with Multithiol-Poly(ethylene glycol) Ligands: Importance of Structural Constraints of the Sulfur Anchoring Groups. Journal of Physical Chemistry C, 2013, 117, 18947-18956.	3.1	59
22	Complex Förster Energy Transfer Interactions between Semiconductor Quantum Dots and a Redox-Active Osmium Assembly. ACS Nano, 2012, 6, 5330-5347.	14.6	55
23	Synthesis and Characterization of PEGylated Luminescent Gold Nanoclusters Doped with Silver and Other Metals. Chemistry of Materials, 2016, 28, 8676-8688.	6.7	54
24	Laserâ€heated radiation dosimetry using transparent thermoluminescent glass. Applied Physics Letters, 1996, 68, 1-3.	3.3	47
25	Optimizing Protein Coordination to Quantum Dots with Designer Peptidyl Linkers. Bioconjugate Chemistry, 2013, 24, 269-281.	3.6	45
26	Intracellularly Actuated Quantum Dot–Peptide–Doxorubicin Nanobioconjugates for Controlled Drug Delivery via the Endocytic Pathway. Bioconjugate Chemistry, 2018, 29, 136-148.	3.6	44
27	Characterization of a fiberâ€opticâ€coupled radioluminescent detector for application in the mammography energy range. Medical Physics, 2007, 34, 2220-2227.	3.0	39
28	The Role of Negative Charge in the Delivery of Quantum Dots to Neurons. ASN Neuro, 2015, 7, 175909141559238.	2.7	39
29	Nanoparticle-Mediated Visualization and Control of Cellular Membrane Potential: Strategies, Progress, and Remaining Issues. ACS Nano, 2020, 14, 2659-2677.	14.6	35
30	Bridging Lanthanide to Quantum Dot Energy Transfer with a Short-Lifetime Organic Dye. Journal of Physical Chemistry Letters, 2017, 8, 2182-2188.	4.6	34
31	Cholesterol Functionalization of Cold Nanoparticles Enhances Photoactivation of Neural Activity. ACS Chemical Neuroscience, 2019, 10, 1478-1487.	3.5	33
32	Classification and selective collection of individual aerosol particles using laser-induced fluorescence. Applied Optics, 2009, 48, B126.	2.1	27
33	Nanoparticle–Peptide–Drug Bioconjugates for Unassisted Defeat of Multidrug Resistance in a Model Cancer Cell Line. Bioconjugate Chemistry, 2019, 30, 525-530.	3.6	23
34	Fiberâ€opticâ€coupled, laser heated thermoluminescence dosimeter for remote radiation sensing. Applied Physics Letters, 1996, 68, 3377-3379.	3.3	22
35	One-pot aqueous phase growth of biocompatible 15–130nm gold nanoparticles stabilized with bidentate PEG. Journal of Colloid and Interface Science, 2012, 376, 107-111.	9.4	16
36	Ultraviolet dosimetry using thermoluminescence of semiconductorâ€doped Vycor glass. Applied Physics Letters, 1995, 67, 1179-1181.	3.3	15

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37	Performance characteristics of a gated fiber-optic-coupled dosimeter in high-energy pulsed photon radiation dosimetry. Applied Radiation and Isotopes, 2010, 68, 364-369.	1.5	15
38	Probing the Quenching of Quantum Dot Photoluminescence by Peptide-Labeled Ruthenium(II) Complexes. Journal of Physical Chemistry C, 2014, 118, 9239-9250.	3.1	14
39	Radiation dosimetry using thermoluminescence of semiconductor-doped Vycor glass. Nuclear Instruments & Methods in Physics Research B, 1995, 95, 533-536.	1.4	11
40	Elimination of Cerenkov interference in a fibre-optic-coupled radiation dosemeter. Radiation Protection Dosimetry, 2006, 120, 20-23.	0.8	10
41	BIO-AEROSOL FLUORESCENCE. , 2007, , 63-164.		10
42	Gold-Nanoparticle-Mediated Depolarization of Membrane Potential Is Dependent on Concentration and Tethering Distance from the Plasma Membrane. Bioconjugate Chemistry, 2020, 31, 567-576.	3.6	8
43	Optical classification of bioaerosols using UV fluorescence and IR absorption spectroscopy. , 2004, , .		5
44	Multiple UV wavelength excitation and fluorescence of bioaerosols. , 2004, , .		5
45	Quantum dots as a FRET donor and nanoscaffold for multivalent DNA photonic wires. Proceedings of SPIE, 2011, , .	0.8	4
46	Characterization of a gated fiberâ€opticâ€coupled detector for application in clinical electron beam dosimetry. Medical Physics, 2011, 38, 961-967.	3.0	4
47	Dose mapping of porcine coronary arteries using an optical fiber dosimeter. Cardiovascular Revascularization Medicine, 2005, 6, 163-169.	0.8	2
48	Recent development of dihydrolipoic acid appended ligands for robust and biocompatible quantum dots. Proceedings of SPIE, 2013, , .	0.8	1
49	A Novel Polarized Elastic Scatter Detection Method of Aerosol Particle Velocimetry with Reduced Errors Due to Coincidence and Phantom Particles. Aerosol Science and Technology, 2013, 47, 249-257.	3.1	1
50	Membrane-targeting peptides for nanoparticle-facilitated cellular imaging and analysis. Proceedings of SPIE, 2015, , .	0.8	1
51	Imaging cellular membrane potential through ionization of quantum dots. , 2016, , .		1
52	Rapid identification of biological particles using on-the-fly fluorescent marking. , 2004, , .		0
53	Experimental performance of a novel aerosol sorting and deposition system for bio-threat sensing applications. , 2006, 6398, 44.		0
54	Recent advances in the development of a novel aerosol sorting and deposition system for bio-threat sensing applications. Proceedings of SPIE, 2007, , .	0.8	0

#	Article	IF	CITATIONS
55	Quantum dots in life sciences: applications, benefits, and safety issues. Proceedings of SPIE, 2010, , .	0.8	Ο
56	Further progress in cytosolic cellular delivery of quantum dots. , 2012, , .		0
57	Peptide-mediated cellular delivery of semiconductor quantum dots. , 2013, , .		0
58	Improving energy transfer in QD-DNA photonic networks. , 2013, , .		0
59	Visualization and neuronal cell targeting during electrophysiological recordings facilitated by quantum dots. Proceedings of SPIE, 2015, , .	0.8	0
60	Nanoparticle bioconjugate for controlled cellular delivery of doxorubicin. , 2018, , .		0