Gordana Dukovic

List of Publications by Year
in descending order

50 papers	4,767 citations	230014 27 h-index	223390 49 g-index
50 all docs	50 docs citations	50 times ranked	7226 citing authors

#	ARTICLE	IF	CITATIONS
1	Dissecting Electronic-Structural Transitions in the Nitrogenase MoFe Protein P-Cluster during Reduction. Journal of the American Chemical Society, 2022, 144, 5708-5712.	6.6	7
2	The Kinetics of Electron Transfer from CdS Nanorods to the MoFe Protein of Nitrogenase. Journal of Physical Chemistry C, 2022, 126, 8425-8435.	1.5	7
3	Photocharging of Colloidal CdS Nanocrystals. Journal of Physical Chemistry C, 2021, 125, 22650-22659.	1.5	13
4	Light-driven carbonâˆ’carbon bond formation via CO₂reduction catalyzed by complexes of CdS nanorods and a 2-oxoacid oxidoreductase. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 135-140.	3.3	24
5	Excitation-Rate Determines Product Stoichiometry in Photochemical Ammonia Production by CdS Quantum Dot-Nitrogenase MoFe Protein Complexes. ACS Catalysis, 2020, 10, 11147-11152.	5.5	23
6	The Motion of Trapped Holes on Nanocrystal Surfaces. Journal of Physical Chemistry Letters, 2020, 11, 9876-9885.	2.1	4
7	Defining Intermediates of Nitrogenase MoFe Protein during N₂ Reduction under Photochemical Electron Delivery from CdS Quantum Dots. Journal of the American Chemical Society, 2020, 142, 14324-14330.	6.6	32
8	Binding Orientation of a Ruthenium-Based Water Oxidation Catalyst on a CdS QD Surface Revealed by NMR Spectroscopy. Journal of Physical Chemistry Letters, 2020, 11, 9552-9556.	2.1	7
9	Simultaneous Determination of Spectral Signatures and Decay Kinetics of Excited State Species in Semiconductor Nanocrystals Probed by Transient Absorption Spectroscopy. Journal of Physical Chemistry C, 2020, 124, 8439-8447.	1.5	12
10	Electron Transfer from Semiconductor Nanocrystals to Redox Enzymes. Annual Review of Physical Chemistry, 2020, 71, 335-359.	4.8	27
11	Temperature-Dependent Transient Absorption Spectroscopy Elucidates Trapped-Hole Dynamics in CdS and CdSe Nanorods. Journal of Physical Chemistry Letters, 2019, 10, 2782-2787.	2.1	19
12	Quantum Efficiency of Charge Transfer Competing against Nonexponential Processes: The Case of Electron Transfer from CdS Nanorods to Hydrogenase. Journal of Physical Chemistry C, 2019, 123, 886-896.	1.5	24
13	Pressure Response of Photoluminescence in Cesium Lead Iodide Perovskite Nanocrystals. Journal of Physical Chemistry C, 2018, 122, 11024-11030.	1.5	41
14	Role of Surface-Capping Ligands in Photoexcited Electron Transfer between CdS Nanorods and [FeFe] Hydrogenase and the Subsequent H₂ Generation. Journal of Physical Chemistry C, 2018, 122, 741-750.	1.5	53
15	Comparison of Phonon Damping Behavior in Quantum Dots Capped with Organic and Inorganic Ligands. Nano Letters, 2018, 18, 3667-3674.	4.5	33
16	On the Nature of Trapped-Hole States in CdS Nanocrystals and the Mechanism of Their Diffusion. Journal of Physical Chemistry Letters, 2018, 9, 3532-3537.	2.1	24
17	Ultrafast Hole Transfer from CdS Quantum Dots to a Water Oxidation Catalyst. Journal of Physical Chemistry C, 2018, 122, 17559-17565.	1.5	21
18	Trapped-Hole Diffusion in Photoexcited CdSe Nanorods. Journal of Physical Chemistry C, 2018, 122, 16974-16982.	1.5	16

#	Article	IF	Citations
19	Relationships between Exciton Dissociation and Slow Recombination within ZnSe/CdS and CdSe/CdS Dot-in-Rod Heterostructures. Nano Letters, 2017, 17, 3764-3774.	4.5	43
20	Activation Thermodynamics and H/D Kinetic Isotope Effect of the H_{ox} to H_{red}H⁺ Transition in [FeFe] Hydrogenase. Journal of the American Chemical Society, 2017, 139, 12879-12882.	6.6	23
21	Control of Elemental Distribution in the Nanoscale Solid-State Reaction That Produces (Ga_{1â€“<i>x</i>}Zn_{<i>x</i>})(N_{1â€“<i>x</i>}O_{<i>x</i>}) Nanocrystals. ACS Nano, 2017, 11, 8401-8412.	7.3	20
22	Observation of trapped-hole diffusion on the surfaces of CdS nanorods. Nature Chemistry, 2016, 8, 1061-1066.	6.6	108
23	Light-driven dinitrogen reduction catalyzed by a CdS:nitrogenase MoFe protein biohybrid. Science, 2016, 352, 448-450.	6.0	676
24	Materials Properties and Solvated Electron Dynamics of Isolated Nanoparticles and Nanodroplets Probed with Ultrafast Extreme Ultraviolet Beams. Journal of Physical Chemistry Letters, 2016, 7, 609-615.	2.1	23
25	Photocatalytic Regeneration of Nicotinamide Cofactors by Quantum Dotâ€“Enzyme Biohybrid Complexes. ACS Catalysis, 2016, 6, 2201-2204.	5.5	80
26	Synthesis and characterization of (Ga_{1âˆ’x}Zn_x)(N_{1âˆ’x}O_x) nanocrystals with a wide range of compositions. Journal of Materials Chemistry A, 2016, 4, 2927-2935.	5.2	37
27	Synthesis, optical, and photocatalytic properties of cobalt mixed-metal spinel oxides Co(Al_{1âˆ’x}Ga_x)₂O₄. Journal of Materials Chemistry A, 2015, 3, 8115-8122.	5.2	18
28	Impact of Chalcogenide Ligands on Excited State Dynamics in CdSe Quantum Dots. Journal of Physical Chemistry C, 2015, 119, 13314-13324.	1.5	44
29	Solvents Effects on Charge Transfer from Quantum Dots. Journal of the American Chemical Society, 2015, 137, 3759-3762.	6.6	29
30	Strong Visible Absorption and Broad Time Scale Excited-State Relaxation in (Ga_{1â€“<i>x</i>}Zn_{<i>x</i>})(N_{1â€“<i>x</i>}O_{<i>x</i>}) Nanocrystals. Journal of the American Chemical Society, 2015, 137, 6452-6455.	6.6	20
31	Competition between electron transfer, trapping, and recombination in CdS nanorodâ€“hydrogenase complexes. Physical Chemistry Chemical Physics, 2015, 17, 5538-5542.	1.3	45
32	Ultrafast electronic structures and dynamics of CdSe nanocrystals revealed by gas phase time-resolved photoelectron spectroscopy. , 2014, , .		0
33	Electron Transfer Kinetics in CdS Nanorodâ€“[FeFe]-Hydrogenase Complexes and Implications for Photochemical H₂ Generation. Journal of the American Chemical Society, 2014, 136, 4316-4324.	6.6	177
34	Chalcogenide-Ligand Passivated CdTe Quantum Dots Can Be Treated as Core/Shell Semiconductor Nanostructures. Journal of Physical Chemistry C, 2014, 118, 28170-28178.	1.5	19
35	Mapping Nanoscale Absorption of Femtosecond Laser Pulses Using Plasma Explosion Imaging. ACS Nano, 2014, 8, 8810-8818.	7.3	30
36	Layered Phosphonates in Colloidal Synthesis of Anisotropic ZnO Nanocrystals. Chemistry of Materials, 2013, 25, 4321-4329.	3.2	10

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37	Charge Transfer Dynamics between Photoexcited CdS Nanorods and Mononuclear Ru Water-Oxidation Catalysts. Journal of the American Chemical Society, 2013, 135, 3383-3386.	6.6	97
38	Photoelectron Spectroscopy of CdSe Nanocrystals in the Gas Phase: A Direct Measure of the Evanescent Electron Wave Function of Quantum Dots. Nano Letters, 2013, 13, 2924-2930.	4.5	40
39	Recent Progress in Photocatalysis Mediated by Colloidal IIâ€VI Nanocrystals. Israel Journal of Chemistry, 2012, 52, 1002-1015.	1.0	113
40	(Ga_{1â€“<i>x</i>}Zn_{<i>x</i>})(N_{1â€“<i>x</i>}O_{<i>x</i>}) Nanocrystals: Visible Absorbers with Tunable Composition and Absorption Spectra. Nano Letters, 2012, 12, 3268-3272.	4.5	79
41	Characterization of Photochemical Processes for H₂ Production by CdS Nanorodâ€“[FeFe] Hydrogenase Complexes. Journal of the American Chemical Society, 2012, 134, 5627-5636.	6.6	326
42	Measurement of the optical Stark effect in semiconducting carbon nanotubes. Applied Physics A: Materials Science and Processing, 2009, 96, 283-287.	1.1	25
43	Photodeposition of Pt on Colloidal CdS and CdSe/CdS Semiconductor Nanostructures. Advanced Materials, 2008, 20, 4306-4311.	11.1	188
44	Direct Measurement of the Lifetime of Optical Phonons in Single-Walled Carbon Nanotubes. Physical Review Letters, 2008, 100, 225503.	2.9	84
45	Racemic Single-Walled Carbon Nanotubes Exhibit Circular Dichroism When Wrapped with DNA. Journal of the American Chemical Society, 2006, 128, 9004-9005.	6.6	124
46	The Optical Resonances in Carbon Nanotubes Arise from Excitons. Science, 2005, 308, 838-841.	6.0	1,114
47	Structural Dependence of Excitonic Optical Transitions and Band-Gap Energies in Carbon Nanotubes. Nano Letters, 2005, 5, 2314-2318.	4.5	226
48	Self-organizing high-density single-walled carbon nanotube arrays from surfactant suspensions. Nanotechnology, 2004, 15, 1450-1454.	1.3	45
49	Reversible Surface Oxidation and Efficient Luminescence Quenching in Semiconductor Single-Wall Carbon Nanotubes. Journal of the American Chemical Society, 2004, 126, 15269-15276.	6.6	227
50	Time-Resolved Fluorescence of Carbon Nanotubes and Its Implication for Radiative Lifetimes. Physical Review Letters, 2004, 92, 177401.	2.9	290