Clemens Burda

List of Publications by Citations

209 papers	26,276 citations	71 h-index	161 g-index
225 ext. papers	28,029 ext. citations	8.4 avg, IF	7.24 L-index

#	Paper	IF	Citations
209	Chemistry and properties of nanocrystals of different shapes. *Chemical Reviews*, **2005**, 105, 1025-102	68.1	6278
208	Enhanced Nitrogen Doping in TiO2 Nanoparticles. *Nano Letters*, **2003**, 3, 1049-1051	11.5	1138
207	The electronic origin of the visible-light absorption properties of C-, N- and S-doped TiO2 nanomaterials. *Journal of the American Chemical Society*, **2008**, 130, 5018-9	16.4	1029
206	The unique role of nanoparticles in nanomedicine: imaging, drug delivery and therapy. *Chemical Society Reviews*, **2012**, 41, 2885-911	58.5	859
205	Plasmonic Cu(2-x)S nanocrystals: optical and structural properties of copper-deficient copper(I) sulfides. *Journal of the American Chemical Society*, **2009**, 131, 4253-61	16.4	785
204	Copper oxide nanocrystals. *Journal of the American Chemical Society*, **2005**, 127, 9506-11	16.4	756
203	Highly Efficient Formation of Visible Light Tunable TiO2-xNx Photocatalysts and Their Transformation at the Nanoscale. *Journal of Physical Chemistry B*, **2004**, 108, 1230-1240	3.4	709
202	Semiconductor quantum dots for photodynamic therapy. *Journal of the American Chemical Society*, **2003**, 125, 15736-7	16.4	681
201	Laser-Induced Shape Changes of Colloidal Gold Nanorods Using Femtosecond and Nanosecond Laser Pulses. *Journal of Physical Chemistry B*, **2000**, 104, 6152-6163	3.4	666
200	Highly efficient drug delivery with gold nanoparticle vectors for in vivo photodynamic therapy of cancer. *Journal of the American Chemical Society*, **2008**, 130, 10643-7	16.4	610
199	Photoelectron Spectroscopic Investigation of Nitrogen-Doped Titania Nanoparticles. *Journal of Physical Chemistry B*, **2004**, 108, 15446-15449	3.4	586
198	Laser Photothermal Melting and Fragmentation of Gold Nanorods: Energy and Laser Pulse-Width Dependence. *Journal of Physical Chemistry A*, **1999**, 103, 1165-1170	2.8	419
197	Femtosecond time-resolved transient absorption spectroscopy of CH3NH3PbI3 perovskite films: evidence for passivation effect of PbI2. *Journal of the American Chemical Society*, **2014**, 136, 12205-8	16.4	417
196	Formation of Oxynitride as the Photocatalytic Enhancing Site in Nitrogen-Doped Titania Nanocatalysts: Comparison to a Commercial Nanopowder. *Advanced Functional Materials*, **2005**, 15, 41-49	15.6	389
195	TiO2 nanoparticles as functional building blocks. *Chemical Reviews*, **2014**, 114, 9283-318	68.1	340
194	Electron dynamics in gold and gold–silver alloy nanoparticles: The influence of a nonequilibrium electron distribution and the size dependence of the electron–phonon relaxation. *Journal of Chemical Physics*, **1999**, 111, 1255-1264	3.9	298
193	Development of plasmonic semiconductor nanomaterials with copper chalcogenides for a future with sustainable energy materials. *Energy and Environmental Science*, **2012**, 5, 5564-5576	35.4	296

192	Size and structure effect on optical transitions of iron oxide nanocrystals. *Physical Review B*, **2005**, 71,	3.3	262
191	Emergent properties resulting from type-II band alignment in semiconductor nanoheterostructures. *Advanced Materials*, **2011**, 23, 180-97	24	253
190	Quantum dot-based energy transfer: perspectives and potential for applications in photodynamic therapy. *Photochemistry and Photobiology*, **2006**, 82, 617-25	3.6	237
189	Deep penetration of a PDT drug into tumors by noncovalent drug-gold nanoparticle conjugates. *Journal of the American Chemical Society*, **2011**, 133, 2583-91	16.4	236
188	Photocatalytic degradation of azo dyes by nitrogen-doped TiO2 nanocatalysts. *Chemosphere*, **2005**, 61, 11-8	8.4	216
187	Identification and characterization of the intermediate phase in hybrid organic-inorganic MAPbI3 perovskite. *Dalton Transactions*, **2016**, 45, 3806-13	4.3	212
186	Electron Shuttling Across the Interface of CdSe Nanoparticles Monitored by Femtosecond Laser Spectroscopy. *Journal of Physical Chemistry B*, **1999**, 103, 1783-1788	3.4	209
185	The Relaxation Pathways of CdSe Nanoparticles Monitored with Femtosecond Time-Resolution from the Visible to the IR: Assignment of the Transient Features by Carrier Quenching. *Journal of Physical Chemistry B*, **2001**, 105, 12286-12292	3.4	207
184	Defect-Related Optical Behavior in Surface Modified TiO2 Nanostructures. *Advanced Functional Materials*, **2005**, 15, 161-167	15.6	196
183	Nanoparticle ¶ -potentials. *Accounts of Chemical Research*, **2012**, 45, 317-26	24.3	195
182	Photoluminescence of CdSe Nanoparticles in the Presence of a Hole Acceptor: n-Butylamine. *Journal of Physical Chemistry B*, **2001**, 105, 2981-2986	3.4	192
181	Rapid sonochemical synthesis of highly luminescent non-toxic AuNCs and Au@AgNCs and Cu (II) sensing. *Chemical Communications*, **2011**, 47, 4237-9	5.8	190
180	Synthesis and Photophysical Properties of Ternary I□III AgInS2 Nanocrystals: Intrinsic versus Surface States. *Journal of Physical Chemistry C*, **2011**, 115, 8945-8954	3.8	187
179	Femtosecond transient-absorption dynamics of colloidal gold nanorods: Shape independence of the electron-phonon relaxation time. *Physical Review B*, **2000**, 61, 6086-6090	3.3	187
178	DNA-hybrid-gated multifunctional mesoporous silica nanocarriers for dual-targeted and microRNA-responsive controlled drug delivery. *Angewandte Chemie - International Edition*, **2014**, 53, 2371-5	16.4	184
177	Chemically synthesized nitrogen-doped metal oxide nanoparticles. *Chemical Physics*, **2007**, 339, 1-10	2.3	184
176	Coherency Strain Effects on the Optical Response of Core/Shell Heteronanostructures. *Nano Letters*, **2003**, 3, 799-803	11.5	176
175	The Effects of Sintering on the Photocatalytic Activity of N-Doped TiO2 Nanoparticles. *Chemistry of Materials*, **2008**, 20, 2629-2636	9.6	145

174	Delivery and efficacy of a cancer drug as a function of the bond to the gold nanoparticle surface. *Langmuir*, **2010**, 26, 2248-55	4	135
173	Shape Dependent Ultrafast Relaxation Dynamics of CdSe Nanocrystals: Nanorods vs Nanodots. *Nano Letters*, **2001**, 1, 589-593	11.5	121
172	How long does it take to melt a gold nanorod?. *Chemical Physics Letters*, **1999**, 315, 12-18	2.5	121
171	Nanoparticle mediated non-covalent drug delivery. *Advanced Drug Delivery Reviews*, **2013**, 65, 607-21	18.5	117
170	Charge Separation and Recombination in CdTe/CdSe Core/Shell Nanocrystals as a Function of Shell Coverage: Probing the Onset of the Quasi Type-II Regime. *Journal of Physical Chemistry Letters*, **2010**, 1, 2530-2535	6.4	113
169	Observation of non-F¶rster-type energy-transfer behavior in quantum dot-phthalocyanine conjugates. *Journal of the American Chemical Society*, **2006**, 128, 13974-5	16.4	112
168	X-ray spectroscopic study of the electronic structure of visible-light responsive N-, C- and S-doped TiO2. *Journal of Electron Spectroscopy and Related Phenomena*, **2008**, 162, 67-73	1.7	110
167	Bactericidal activity of nitrogen-doped metal oxide nanocatalysts and the influence of bacterial extracellular polymeric substances (EPS). *Journal of Photochemistry and Photobiology A: Chemistry*, **2007**, 190, 94-100	4.7	107
166	Study of the Partial Ag-to-Zn Cation Exchange in AgInS2/ZnS Nanocrystals. *Journal of Physical Chemistry C*, **2013**, 117, 648-656	3.8	99
165	Peptide-Targeted Gold Nanoparticles for Photodynamic Therapy of Brain Cancer. *Particle and Particle Systems Characterization*, **2015**, 32, 448-457	3.1	99
164	Investigation of the crystallization process in 2 nm CdSe quantum dots. *Journal of the American Chemical Society*, **2005**, 127, 4372-5	16.4	99
163	Synthesis and Characterization of Nitrogen-Doped Group IVB Visible-Light-Photoactive Metal Oxide Nanoparticles. *Advanced Materials*, **2007**, 19, 3995-3999	24	98
162	The quenching of CdSe quantum dots photoluminescence by gold nanoparticles in solution. *Photochemistry and Photobiology*, **2002**, 75, 591-7	3.6	97
161	Addressing brain tumors with targeted gold nanoparticles: a new gold standard for hydrophobic drug delivery?. *Small*, **2011**, 7, 2301-6	11	93
160	Near infrared light-triggered drug generation and release from gold nanoparticle carriers for photodynamic therapy. *Small*, **2014**, 10, 1799-804	11	90
159	Surface effects on quantum dot-based energy transfer. *Journal of the American Chemical Society*, **2007**, 129, 7977-81	16.4	90
158	PbTe nanorods by sonoelectrochemistry. *Angewandte Chemie - International Edition*, **2005**, 44, 5855-7	16.4	89
157	Prostate-Specific Membrane Antigen Targeted Gold Nanoparticles for Theranostics of Prostate Cancer. *ACS Nano*, **2018**, 12, 3714-3725	16.7	88

156	Enhancing thermoelectric performance of ternary nanocrystals through adjusting carrier concentration. *Journal of the American Chemical Society*, **2010**, 132, 4982-3	16.4	88
155	Fabrication of near-infrared-emitting CdSeTe/ZnS core/shell quantum dots and their electrogenerated chemiluminescence. *Chemical Communications*, **2010**, 46, 2974-6	5.8	88
154	Observation of Large Changes in the Band Gap Absorption Energy of Small CdSe Nanoparticles Induced by the Adsorption of a Strong Hole Acceptor. *Nano Letters*, **2001**, 1, 667-670	11.5	87
153	Meta and para effects in the ultrafast excited-state dynamics of the green fluorescent protein chromophores. *Journal of Physical Chemistry B*, **2008**, 112, 2700-11	3.4	86
152	Synthesis, characterization and computational study of nitrogen-doped CeO2 nanoparticles with visible-light activity. *Physical Chemistry Chemical Physics*, **2008**, 10, 5633-8	3.6	84
151	Evaluation of the photoinduced electron relaxation dynamics of Cu1.8S quantum dots. *Physical Chemistry Chemical Physics*, **2003**, 5, 1091-1095	3.6	84
150	Transient Spectroscopy of a Derivative of 2,2-Difluoro-1,3-diphenylcyclopentane-1,3-diylA Persistent Localized Singlet 1,3-Diradical. *Journal of the American Chemical Society*, **1998**, 120, 593-594	16.4	84
149	Nanoparticles for imaging and treating brain cancer. *Nanomedicine*, **2013**, 8, 123-43	5.6	83
148	Metal Oxide-Based Tandem Cells for Self-Biased Photoelectrochemical Water Splitting. *ACS Energy Letters*, **2020**, 5, 844-866	20.1	82
147	Rhodamine B derivative-functionalized upconversion nanoparticles for FRET-based Fe(3+)-sensing. *Chemical Communications*, **2013**, 49, 7797-9	5.8	81
146	Variation of the Thickness and Number of Wells in the CdS/HgS/CdS Quantum Dot Quantum Well System *Journal of Physical Chemistry A*, **2001**, 105, 5548-5551	2.8	79
145	Electrophoretic mobilities of PEGylated gold NPs. *Journal of the American Chemical Society*, **2010**, 132, 15624-31	16.4	78
144	New Transient Absorption Observed in the Spectrum of Colloidal CdSe Nanoparticles Pumped with High-Power Femtosecond Pulses. *Journal of Physical Chemistry B*, **1999**, 103, 10775-10780	3.4	76
143	Heterostructured Bi2Se3 nanowires with periodic phase boundaries. *Journal of the American Chemical Society*, **2004**, 126, 16276-7	16.4	73
142	Doped semiconductor nanomaterials. *Journal of Nanoscience and Nanotechnology*, **2005**, 5, 1408-20	1.3	73
141	Femtosecond Spectroscopic Investigation of the Carrier Lifetimes in Digenite Quantum Dots and Discrimination of the Electron and Hole Dynamics via Ultrafast Interfacial Electron Transfer *Journal of Physical Chemistry B*, **2003**, 107, 12431-12437	3.4	71
140	Iron(II) coordination complexes with panchromatic absorption and nanosecond charge-transfer excited state lifetimes. *Nature Chemistry*, **2019**, 11, 1144-1150	17.6	71
139	Fluorescence resonance energy transfer reveals a binding site of a photosensitizer for photodynamic therapy. *Cancer Research*, **2003**, 63, 5194-7	10.1	71

138	Gold nanoparticles for diagnostic sensing and therapy. *Inorganica Chimica Acta*, **2012**, 393, 142-153	2.7	70
137	Fabrication of a boron nitride-gold nanocluster composite and its versatile application for immunoassays. *Chemical Communications*, **2013**, 49, 10757-9	5.8	69
136	The pump power dependence of the femtosecond relaxation of CdSe nanoparticles observed in the spectral range from visible to infrared. *Journal of Chemical Physics*, **2002**, 116, 3828-3833	3.9	68
135	Measuring electron and hole transfer in core/shell nanoheterostructures. *ACS Nano*, **2011**, 5, 6016-24	16.7	67
134	Near-Infrared Emitting AgInS2/ZnS Nanocrystals. *Journal of Physical Chemistry C*, **2014**, 118, 13883-13889	3.8	64
133	Novel tiO2 nanocatalysts for wastewater purification: tapping energy from the sun. *Water Science and Technology*, **2006**, 54, 47-54	2.2	63
132	Considerations to improve adsorption and photocatalysis of low concentration air pollutants on TiO2. *Catalysis Today*, **2014**, 225, 24-33	5.3	62
131	Transient Absorption Spectra and Reaction Kinetics of Singlet Phenylnitrene and Its 2,4,6-Tribromo Derivative in Solution. *Journal of the American Chemical Society*, **1997**, 119, 5061-5062	16.4	62
130	On the potential for nanoscale metal–organic frameworks for energy applications. *Journal of Materials Chemistry A*, **2019**, 7, 21545-21576	13	61
129	Visible-light-driven reversible and switchable hydrophobic to hydrophilic nitrogen-doped titania surfaces: correlation with photocatalysis. *Nanoscale*, **2010**, 2, 2257-61	7.7	61
128	Toward high-performance nanostructured thermoelectric materials: the progress of bottom-up solution chemistry approaches. *Journal of Materials Chemistry*, **2011**, 21, 17049		57
127	High-density femtosecond transient absorption spectroscopy of semiconductor nanoparticles. A tool to investigate surface quality. *Pure and Applied Chemistry*, **2000**, 72, 165-177	2.1	57
126	Improving Thermoelectric Properties of Chemically Synthesized Bi2Te3-Based Nanocrystals by Annealing. *Journal of Physical Chemistry C*, **2010**, 114, 11607-11613	3.8	56
125	Nanostructured Bi2Se3 films and their thermoelectric transport properties. *Angewandte Chemie - International Edition*, **2006**, 45, 5656-9	16.4	56
124	Semiconductor quantum dots as two-photon sensitizers. *Journal of the American Chemical Society*, **2008**, 130, 2890-1	16.4	54
123	Femtosecond time-resolved energy transfer from CdSe nanoparticles to phthalocyanines. *Applied Physics B: Lasers and Optics*, **2006**, 84, 309-315	1.9	54
122	MoS-Stratified CdS-CuS Core-Shell Nanorods for Highly Efficient Photocatalytic Hydrogen Production. *ACS Nano*, **2020**, 14, 5468-5479	16.7	54
121	Chemical synthesis of Bi(0.5)Sb(1.5)Te3 nanocrystals and their surface oxidation properties. *ACS Applied Materials & Interfaces*, **2009**, 1, 1259-63	9.5	53

120	Thermal Conductivity of CH3NH3PbI3 and CsPbI3: Measuring the Effect of the Methylammonium Ion on Phonon Scattering. *Journal of Physical Chemistry C*, **2017**, 121, 3228-3233	3.8	52
119	Spectroelectrochemistry of hollow spherical CdSe quantum dot assemblies in water. *Electrochemistry Communications*, **2007**, 9, 551-557	5.1	50
118	Ultrafast photoinduced electron transfer between an incarcerated donor and a free acceptor in aqueous solution. *Journal of the American Chemical Society*, **2012**, 134, 14718-21	16.4	49
117	Fluorescent carbon dots from milk by microwave cooking. *RSC Advances*, **2016**, 6, 41516-41521	3.7	48
116	Preparation and photocatalytic performance of MWCNTs/BiOCl: Evidence for the superoxide radical participation in the degradation mechanism of phenol. *Applied Surface Science*, **2019**, 480, 395-403	6.7	46
115	Gold nanomaterials as key suppliers in biological and chemical sensing, catalysis, and medicine. *Biochimica Et Biophysica Acta - General Subjects*, **2020**, 1864, 129435	4	45
114	Effect of Quantum Dot Deposition on the Interfacial Flatband Potential, Depletion Layer in TiO2 Nanotube Electrodes, and Resulting H2 Generation Rates. *Journal of Physical Chemistry C*, **2012**, 116, 18633-18640	3.8	44
113	Photochemistry of 1H-Benzotriazole in Aqueous Solution:□A Photolatent Base. *Journal of the American Chemical Society*, **2000**, 122, 5849-5855	16.4	43
112	Imaging the Long Transport Lengths of Photo-generated Carriers in Oriented Perovskite Films. *Nano Letters*, **2016**, 16, 7925-7929	11.5	43
111	Targeted Gold Nanocluster-Enhanced Radiotherapy of Prostate Cancer. *Small*, **2019**, 15, e1900968	11	42
110	Enhanced photocatalytic performance of Ag 2 O/BiOF composite photocatalysts originating from efficient interfacial charge separation. *Applied Surface Science*, **2017**, 416, 666-671	6.7	40
109	Effect of particle shape and size on the morphology and optical properties of zinc oxide synthesized by the polyol method. *Materials and Design*, **2018**, 146, 125-133	8.1	36
108	Mixed metal carbonates/hydroxides for concentrating solar power analyzed with DSC and XRD. *Solar Energy Materials and Solar Cells*, **2015**, 140, 167-173	6.4	34
107	Prostate-specific membrane antigen targeted gold nanoparticles for prostate cancer radiotherapy: does size matter for targeted particles?. *Chemical Science*, **2019**, 10, 8119-8128	9.4	34
106	Targeting of mitochondria by 10-N-alkyl acridine orange analogues: role of alkyl chain length in determining cellular uptake and localization. *Mitochondrion*, **2008**, 8, 237-46	4.9	34
105	Control of Surface Ligand Density on PEGylated Gold Nanoparticles for Optimized Cancer Cell Uptake. *Particle and Particle Systems Characterization*, **2015**, 32, 197-204	3.1	33
104	Study of concentration-dependent cobalt ion doping of TiO2 and TiO(2-x)Nx at the nanoscale. *Nanoscale*, **2010**, 2, 1134-40	7.7	31
103	Coordination engineering toward high performance organic□inorganic hybrid perovskites. *Coordination Chemistry Reviews*, **2016**, 320-321, 53-65	23.2	30

102	Femtosecond Dynamics of a Simple Merocyanine Dye:Does Deprotonation Compete with Isomerization?. *Journal of the American Chemical Society*, **2000**, 122, 6720-6726	16.4	28
101	Reverse saturable absorbing cationic iridium(III) complexes bearing the 2-(2-quinolinyl)quinoxaline ligand: effects of different cyclometalating ligands on linear and nonlinear absorption. *Journal of Materials Chemistry C*, **2016**, 4, 5059-5072	7.1	28
100	Electron-transfer dependent photocatalytic hydrogen generation over cross-linked CdSe/TiO type-II heterostructure. *Nanotechnology*, **2017**, 28, 084002	3.4	27
99	Transfer times of electrons and holes across the interface in CdS/HgS/CdS quantum dot quantum well nanoparticles. *Chemical Physics Letters*, **2002**, 361, 446-452	2.5	27
98	Improving the thermal properties of ternary carbonates for concentrating solar power through simple chemical modifications by adding sodium hydroxide and nitrate. *Solar Energy Materials and Solar Cells*, **2014**, 124, 61-66	6.4	26
97	Charge Separation Effects on the Rate of Nonradiative Relaxation Processes in Quantum DotsQuantum Well Heteronanostructures. *Journal of Physical Chemistry A*, **1998**, 102, 6581-6584	2.8	26
96	3D In Situ ToF-SIMS Imaging of Perovskite Films under Controlled Humidity Environmental Conditions. *Advanced Materials Interfaces*, **2017**, 4, 1600673	4.6	25
95	Exploring Ultrafast Electronic Processes of Quasi-Type II Nanocrystals by Two-Dimensional Electronic Spectroscopy. *Journal of Physical Chemistry C*, **2014**, 118, 16255-16263	3.8	25
94	Optimizing Nanoscale TiO2 for Adsorption-Enhanced Photocatalytic Degradation of Low-Concentration Air Pollutants. *ChemCatChem*, **2013**, 5, 3114-3123	5.2	25
93	Contribution of Femtosecond Laser Spectroscopy to the Development of Advanced Optoelectronic Nanomaterials. *Journal of Physical Chemistry Letters*, **2012**, 3, 1921-7	6.4	25
92	Gold Nanoclusters as Signal Amplification Labels for Optical Immunosensors. *Journal of Physical Chemistry C*, **2012**, 116, 2548-2554	3.8	25
91	Spectroscopic investigation of II VI core-shell nanoparticles: CdSe/CdS. *International Journal of Nanotechnology*, **2004**, 1, 105	1.5	25
90	Observation and photophysical characterization of silicon phthalocyanine J-aggregate dimers in aqueous solutions. *Chemistry - A European Journal*, **2014**, 20, 8030-9	4.8	24
89	Femtosecond time-resolved electron-hole dynamics and radiative transitions in the double-layer quantum well of the CdS/(HgS)2/CdS quantum-dotquantum-well nanoparticle. *Physical Review B*, **2001**, 64,	3.3	24
88	Solar-light photoamperometric and photocatalytic properties of quasi-transparent TiO2 nanoporous thin films. *ACS Applied Materials & Interfaces*, **2010**, 2, 3075-82	9.5	23
87	Thermoelectric properties of pressed bismuth nanoparticles. *Superlattices and Microstructures*, **2008**, 43, 195-207	2.8	23
86	X-ray structures, photophysical characterization, and computational analysis of geometrically constrained copper(I)--phenanthroline complexes. *Inorganic Chemistry*, **2003**, 42, 4918-29	5.1	23
85	Recent Development of Gold Nanoparticles as Contrast Agents for Cancer Diagnosis. *Cancers*, **2021**, 13,	6.6	23

84	Heteroleptic cationic iridium(III) complexes bearing naphthalimidyl substituents: synthesis, photophysics and reverse saturable absorption. *Dalton Transactions*, **2015**, 44, 2176-90	4.3	22
83	Synthesis and Photoelectrochemical Properties of (Cu2Sn)xZn3(1−x)S3 Nanocrystal Films. *Journal of Physical Chemistry C*, **2014**, 118, 11954-11963	3.8	22
82	Investigation of moisture stability and PL characteristics of terpineol-passivated organic–inorganic hybrid perovskite. *Materials for Renewable and Sustainable Energy*, **2016**, 5, 1	4.7	21
81	Unusual properties and reactivity at the nanoscale. *Journal of Physics and Chemistry of Solids*, **2005**, 66, 546-550	3.9	20
80	Effect of chloride substitution on interfacial charge transfer processes in MAPbI3 perovskite thin film solar cells: planar versus mesoporous. *Nanoscale Advances*, **2019**, 1, 827-833	5.1	19
79	Wireless activation of neurons in brain slices using nanostructured semiconductor photoelectrodes. *Angewandte Chemie - International Edition*, **2009**, 48, 2407-10	16.4	18
78	Effect of the functionalization of the axial phthalocyanine ligands on the energy transfer in QD-based donor-acceptor pairs. *Photochemistry and Photobiology*, **2008**, 84, 243-9	3.6	18
77	Optoelectronic Dichotomy of Mixed Halide CHNHPb(BrCl) Single Crystals: Surface versus Bulk Photoluminescence. *Journal of the American Chemical Society*, **2018**, 140, 11811-11819	16.4	18
76	NIR photocleavage of the Si-C bond in axial Si-phthalocyanines. *Journal of Physical Chemistry A*, **2014**, 118, 10587-95	2.8	17
75	The Effect of Ligand Constraints on the Metal-to-Ligand Charge-Tranfer Relaxation Dynamics of Copper(I)Phenanthroline Complexes: A Comparative Study by Femtosecond Time-Resolved Spectroscopy. *Journal of Physical Chemistry B*, **2004**, 108, 563-569	3.4	17
74	Microwave-assisted preparation of flower-like C60/BiOBr with significantly enhanced visible-light photocatalytic performance. *Applied Surface Science*, **2021**, 540, 148340	6.7	17
73	Electrochemical Fabrication of rGO-embedded Ag-TiO Nanoring/Nanotube Arrays for Plasmonic Solar Water Splitting. *Nano-Micro Letters*, **2019**, 11, 97	19.5	16
72	Reply to Comment on Photoelectron Spectroscopic Investigation of Nitrogen-Doped Titania Nanoparticles' *Journal of Physical Chemistry B*, **2006**, 110, 7081-7082	3.4	16
71	A Simple Parallel Photochemical Reactor for Photodecomposition Studies. *Journal of Chemical Education*, **2006**, 83, 265	2.4	16
70	Targeted Radiosensitizers for MR-Guided Radiation Therapy of Prostate Cancer. *Nano Letters*, **2020**, 20, 7159-7167	11.5	16
69	Ultrafast Electron Transfer across a Nanocapsular Wall: Coumarins as Donors, Viologen as Acceptor, and Octa Acid Capsule as the Mediator. *Journal of Physical Chemistry B*, **2018**, 122, 328-337	3.4	15
68	Electron-Hole Pair Relaxation Dynamics in Binary Copper-Based Semiconductor Quantum Dots. *Journal of the Electrochemical Society*, **2005**, 152, G427	3.9	15
67	Determination of the localization times of electrons and holes in the HgS well in a CdS/HgS/CdS quantum dot–quantum well nanoparticle. *Physical Review B*, **2002**, 66,	3.3	15

66	Photophysics of silicon phthalocyanines in aqueous media. *ChemPhysChem*, **2013**, 14, 321-30	3.2	14
65	Effect of Sintering on the Thermoelectric Transport Properties of Bulk Nanostructured Bi0.5Sb1.5Te3 Pellets Prepared by Chemical Synthesis. *Journal of Electronic Materials*, **2012**, 41, 1408-1413	1.9	14
64	Curing of degraded MAPbI3 perovskite films. *RSC Advances*, **2016**, 6, 60620-60625	3.7	13
63	Charge Transfer in CdSe Nanocrystal Complexes with an Electroactive Polymer. *Journal of Physical Chemistry C*, **2013**, 117, 18870-18884	3.8	13
62	Improvement of the thermoelectric power factor through anisotropic growth of nanostructured PbSe thin films. *Dalton Transactions*, **2010**, 39, 1095-100	4.3	13
61	One- and two-photon induced QD-based energy transfer and the influence of multiple QD excitations. *Photochemical and Photobiological Sciences*, **2008**, 7, 605-13	4.2	13
60	Visible-light Photodegradation of Higher Molecular Weight Organics on N-doped TiO2 Nanostructured Thin Films. *Topics in Catalysis*, **2008**, 47, 42-48	2.3	13
59	Synthesis and Optical Properties of Linker-Free TiO2/CdSe Nanorods. *Journal of Physical Chemistry C*, **2014**, 118, 3347-3358	3.8	12
58	A method for separating PEGylated Au nanoparticle ensembles as a function of grafting density and core size. *Chemical Communications*, **2014**, 50, 642-4	5.8	12
57	What Is the Optoelectronic Effect of the Capsule on the Guest Molecule in Aqueous Host/Guest Complexes? A Combined Computational and Spectroscopic Perspective. *Journal of Physical Chemistry C*, **2017**, 121, 15481-15488	3.8	12
56	Laser spectroscopic assessment of a phthalocyanine-sensitized solar cell as a function of dye loading. *Solar Energy Materials and Solar Cells*, **2014**, 126, 155-162	6.4	12
55	Nanoparticles Yield Increased Drug Uptake and Therapeutic Efficacy upon Sequential Near-Infrared Irradiation. *ACS Nano*, **2020**, 14, 15193-15203	16.7	12
54	Nanotechnology for Electroanalytical Biosensors of Reactive Oxygen and Nitrogen Species. *Chemical Record*, **2017**, 17, 886-901	6.6	11
53	From nanostructures to porous silicon: sensors and photocatalytic reactors. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2004**, 1, S188-S197		11
52	Chemistry and Properties of Nanocrystals of Different Shapes. *ChemInform*, **2005**, 36, no		11
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50	Excitonic Interactions in Bacteriochlorin Homo-Dyads Enable Charge Transfer: A New Approach to the Artificial Photosynthetic Special Pair. *Journal of Physical Chemistry B*, **2018**, 122, 4131-4140	3.4	10
49	Influence of a Naphthaldiimide Substituent at the Diimine Ligand on the Photophysics and Reverse Saturable Absorption of PtII Diimine Complexes and Cationic IrIII Complexes. *European Journal of Inorganic Chemistry*, **2015**, 2015, 5241-5253	2.3	10

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