Clemens Burda

List of Publications by Year
in descending order

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213 papers	29,785 citations	8749 75 h-index	4641 170 g-index
225 all docs	225 docs citations	225 times ranked	36242 citing authors

#	Article	IF	Citations
1	Evolution of microscopic heterogeneity and dynamics in choline chloride-based deep eutectic solvents. Nature Communications, 2022, 13, 219.	5.8	42
2	Magnetic-plasmonic properties of CoFe2O4@Au nanocomposite. Journal of Physics and Chemistry of Solids, 2022, 164, 110630.	1.9	6
3	Targeted Chemoradiotherapy of Prostate Cancer Using Gold Nanoclusters with Protease Activatable Monomethyl Auristatin E. ACS Applied Materials & Interfaces, 2022, 14, 14916-14927.	4.0	14
4	Atomically Dispersed Janus Nickel Sites on Red Phosphorus for Photocatalytic Overall Water Splitting. Angewandte Chemie - International Edition, 2022, 61, .	7.2	43
5	Directional Damping of Plasmons at Metalâ€“Semiconductor Interfaces. Accounts of Chemical Research, 2022, 55, 1845-1856.	7.6	7
6	Microwave-assisted preparation of flower-like C60/BiOBr with significantly enhanced visible-light photocatalytic performance. Applied Surface Science, 2021, 540, 148340.	3.1	44
7	Light management in photoelectrochemical water splitting â€“ from materials to device engineering. Journal of Materials Chemistry C, 2021, 9, 3726-3748.	2.7	19
8	Cuâ€“Sbâ€“S Ternary Semiconductor Nanoparticle Plasmonics. Nano Letters, 2021, 21, 2610-2617.	4.5	13
9	Recent Development of Gold Nanoparticles as Contrast Agents for Cancer Diagnosis. Cancers, 2021, 13, 1825.	1.7	71
10	Interfaces and Interfacial Carrier Dynamics in Perovskites. Journal of Physical Chemistry C, 2021, 125, 15113-15124.	1.5	8
11	Solvation Dynamics of Wet Ethaline: Water is the Magic Component. Journal of Physical Chemistry B, 2021, 125, 8888-8901.	1.2	32
12	Reduction of Electron Repulsion in Highly Covalent Fe-Amido Complexes Counteracts the Impact of a Weak Ligand Field on Excited-State Ordering. Journal of the American Chemical Society, 2021, 143, 20645-20656.	6.6	25
13	Gold nanomaterials as key suppliers in biological and chemical sensing, catalysis, and medicine. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129435.	1.1	86
14	Nanoparticles Yield Increased Drug Uptake and Therapeutic Efficacy upon Sequential Near-Infrared Irradiation. ACS Nano, 2020, 14, 15193-15203.	7.3	23
15	Targeted Radiosensitizers for MR-Guided Radiation Therapy of Prostate Cancer. Nano Letters, 2020, 20, 7159-7167.	4.5	37
16	Metal Oxide-Based Tandem Cells for Self-Biased Photoelectrochemical Water Splitting. ACS Energy Letters, 2020, 5, 844-866.	8.8	149
17	MoS₂-Stratified CdS-Cu_{2â€“x}S Coreâ€“Shell Nanorods for Highly Efficient Photocatalytic Hydrogen Production. ACS Nano, 2020, 14, 5468-5479.	7.3	109
18	Special Section Guest Editorial: Advanced Materials and Devices for Solar Driven Liquid Fuel and Hydrogen Production. Journal of Photonics for Energy, 2020, 10, 1.	0.8	2

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19	Probing the Spatial Heterogeneity of Carrier Relaxation Dynamics in CH₃NH₃PbI₃ Perovskite Thin Films with Femtosecond Timeâ€Resolved Nonlinear Optical Microscopy. Advanced Optical Materials, 2019, 7, 1901185.	3.6	12
20	Prostate-specific membrane antigen targeted gold nanoparticles for prostate cancer radiotherapy: does size matter for targeted particles?. Chemical Science, 2019, 10, 8119-8128.	3.7	60
21	Tuning two-electron transfer in terpyridine-based platinum(ii) pincer complexes. RSC Advances, 2019, 9, 21116-21124.	1.7	3
22	Targeted Gold Nanoclusterâ€Enhanced Radiotherapy of Prostate Cancer. Small, 2019, 15, e1900968.	5.2	78
23	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.	2.2	21
24	Electrochemical Fabrication of rGO-embedded Ag-TiO2 Nanoring/Nanotube Arrays for Plasmonic Solar Water Splitting. Nano-Micro Letters, 2019, 11, 97.	14.4	24
25	Halide exchange studies of novel Pd(<scp>ii</scp>) NNN-pincer complexes. RSC Advances, 2019, 9, 25703-25711.	1.7	4
26	On the potential for nanoscale metalâ€“organic frameworks for energy applications. Journal of Materials Chemistry A, 2019, 7, 21545-21576.	5.2	88
27	Gold Nanoparticle-Based Fluorescent Theranostics for Real-Time Image-Guided Assessment of DNA Damage and Repair. International Journal of Molecular Sciences, 2019, 20, 471.	1.8	5
28	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.	3.1	59
29	Iron(ii) coordination complexes with panchromatic absorption and nanosecond charge-transfer excited state lifetimes. Nature Chemistry, 2019, 11, 1144-1150.	6.6	129
30	Visualizing the impact of chloride addition on the microscopic carrier dynamics of MAPbI3 thin films using femtosecond transient absorption microscopy. Journal of Chemical Physics, 2019, 151, 234710.	1.2	3
31	Photoexcited Dynamics in Metal Halide Perovskites: From Relaxation Mechanisms to Applications. Journal of Physical Chemistry C, 2019, 123, 3255-3269.	1.5	9
32	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.	3.3	49
33	Prostate-Specific Membrane Antigen Targeted Gold Nanoparticles for Theranostics of Prostate Cancer. ACS Nano, 2018, 12, 3714-3725.	7.3	128
34	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.	1.2	19
35	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.	1.2	15
36	Temperature-Dependent Thermal Conductivity Study of MAPbI₃: Using Mild Aging To Reach a Thermal Percolation Threshold for Greatly Improved Heat Transport. Journal of Physical Chemistry C, 2018, 122, 13243-13249.	1.5	6

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37	Comparing Titaniaâ€Based Architectures for Perovskite Solar Cells: A Combined Opticalâ€“Electronic Loss Analysis. Small Methods, 2018, 2, 1700275.	4.6	3
38	Optoelectronic Dichotomy of Mixed Halide CH₃NH₃Pb(Br_{1â€“x}Cl_x)₃ Single Crystals: Surface versus Bulk Photoluminescence. Journal of the American Chemical Society, 2018, 140, 11811-11819.	6.6	22
39	Stable 2D Bisthienoacenes: Synthesis, Crystal Packing, and Photophysical Properties. Chemistry - A European Journal, 2018, 24, 14442-14447.	1.7	9
40	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.	1.5	69
41	Electron-transfer dependent photocatalytic hydrogen generation over cross-linked CdSe/TiO₂type-II heterostructure. Nanotechnology, 2017, 28, 084002.	1.3	33
42	Nanotechnology for Electroanalytical Biosensors of Reactive Oxygen and Nitrogen Species. Chemical Record, 2017, 17, 886-901.	2.9	17
43	Enhanced photocatalytic performance of Ag 2 O/BiOF composite photocatalysts originating from efficient interfacial charge separation. Applied Surface Science, 2017, 416, 666-671.	3.1	48
44	3D In Situ ToFâ€SIMS Imaging of Perovskite Films under Controlled Humidity Environmental Conditions. Advanced Materials Interfaces, 2017, 4, 1600673.	1.9	32
45	Interpenetration of CH3NH3PbI3 and TiO2 improves perovskite solar cells while TiO2 expansion leads to degradation. Physical Chemistry Chemical Physics, 2017, 19, 21407-21413.	1.3	8
46	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.	1.5	17
47	Complete Conversion of PbI 2 to Methyl Ammonium PbI 3 Improves Perovskite Solar Cell Efficiency. ChemPhysChem, 2017, 18, 47-50.	1.0	10
48	Imaging the Long Transport Lengths of Photo-generated Carriers in Oriented Perovskite Films. Nano Letters, 2016, 16, 7925-7929.	4.5	50
49	Reverse saturable absorbing cationic iridium(<scp>iii</scp>) 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.	2.7	37
50	Optical and electronic loss analysis of mesoporous solar cells. Semiconductor Science and Technology, 2016, 31, 073001.	1.0	6
51	Fluorescent carbon dots from milk by microwave cooking. RSC Advances, 2016, 6, 41516-41521.	1.7	63
52	Coordination engineering toward high performance organicâ€“inorganic hybrid perovskites. Coordination Chemistry Reviews, 2016, 320-321, 53-65.	9.5	34
53	Investigation of moisture stability and PL characteristics of terpineol-passivated organicâ€“inorganic hybrid perovskite. Materials for Renewable and Sustainable Energy, 2016, 5, 1.	1.5	29
54	Photoinduced Homolytic Bond Cleavage of the Central Siâ€“C Bond in Porphyrin Macrocycles Is a Charge Polarization Driven Process. Journal of Physical Chemistry A, 2016, 120, 7634-7640.	1.1	6

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55	Curing of degraded MAPbI₃perovskite films. RSC Advances, 2016, 6, 60620-60625.	1.7	15
56	Identification and characterization of the intermediate phase in hybrid organicâ€“inorganic MAPbI₃perovskite. Dalton Transactions, 2016, 45, 3806-3813.	1.6	283
57	Synthesis of ALD Tungsten Trioxide Thin Films from W(CO)₆ and H₂O Precursors. ECS Transactions, 2015, 69, 199-209.	0.3	7
58	Influence of a Naphthaldiimide Substituent at the Diimine Ligand on the Photophysics and Reverse Saturable Absorption of Pt^{II} Diimine Complexes and Cationic Ir^{III} Complexes. European Journal of Inorganic Chemistry, 2015, 2015, 5241-5253.	1.0	11
59	Peptide-Targeted Gold Nanoparticles for Photodynamic Therapy of Brain Cancer. Particle and Particle Systems Characterization, 2015, 32, 448-457.	1.2	119
60	Mixed metal carbonates/hydroxides for concentrating solar power analyzed with DSC and XRD. Solar Energy Materials and Solar Cells, 2015, 140, 167-173.	3.0	47
61	Electrophoretic Interpretation of PEGylated NP Structure with and without Peripheral Charge. Langmuir, 2015, 31, 10246-10253.	1.6	10
62	Heteroleptic cationic iridium(<scp>iii</scp>) complexes bearing naphthalimidyl substituents: synthesis, photophysics and reverse saturable absorption. Dalton Transactions, 2015, 44, 2176-2190.	1.6	26
63	Control of Surface Ligand Density on PEGylated Gold Nanoparticles for Optimized Cancer Cell Uptake. Particle and Particle Systems Characterization, 2015, 32, 197-204.	1.2	38
64	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.	3.0	33
65	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.	3.0	15
66	Considerations to improve adsorption and photocatalysis of low concentration air pollutants on TiO2. Catalysis Today, 2014, 225, 24-33.	2.2	71
67	Near Infrared Lightâ€Triggered Drug Generation and Release from Gold Nanoparticle Carriers for Photodynamic Therapy. Small, 2014, 10, 1799-1804.	5.2	99
68	Synthesis and Optical Properties of Linker-Free TiO₂/CdSe Nanorods. Journal of Physical Chemistry C, 2014, 118, 3347-3358.	1.5	15
69	DNAâ€Hybridâ€Gated Multifunctional Mesoporous Silica Nanocarriers for Dualâ€Targeted and MicroRNAâ€Responsive Controlled Drug Delivery. Angewandte Chemie - International Edition, 2014, 53, 2371-2375.	7.2	210
70	TiO₂Nanoparticles as Functional Building Blocks. Chemical Reviews, 2014, 114, 9283-9318.	23.0	410
71	Observation and Photophysical Characterization of Silicon Phthalocyanine Jâ€Aggregate Dimers in Aqueous Solutions. Chemistry - A European Journal, 2014, 20, 8030-8039.	1.7	25
72	A method for separating PEGylated Au nanoparticle ensembles as a function of grafting density and core size. Chemical Communications, 2014, 50, 642-644.	2.2	13

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73	NIR Photocleavage of the Siâ€“C Bond in Axial Si-Phthalocyanines. Journal of Physical Chemistry A, 2014, 118, 10587-10595.	1.1	18
74	Exploring Ultrafast Electronic Processes of Quasi-Type II Nanocrystals by Two-Dimensional Electronic Spectroscopy. Journal of Physical Chemistry C, 2014, 118, 16255-16263.	1.5	27
75	Femtosecond Time-Resolved Transient Absorption Spectroscopy of CH₃NH₃PbI₃ Perovskite Films: Evidence for Passivation Effect of PbI₂. Journal of the American Chemical Society, 2014, 136, 12205-12208.	6.6	501
76	Combination of Optical and Electrical Loss Analyses for a Si-Phthalocyanine Dye-Sensitized Solar Cell. Journal of Physical Chemistry B, 2014, 118, 14027-14036.	1.2	7
77	Near-Infrared Emitting AgInS₂/ZnS Nanocrystals. Journal of Physical Chemistry C, 2014, 118, 13883-13889.	1.5	68
78	Synthesis and Photoelectrochemical Properties of (Cu2Sn)xZn3(1â€“x)S3 Nanocrystal Films. Journal of Physical Chemistry C, 2014, 118, 11954-11963.	1.5	23
79	Optimizing Nanoscale TiO₂ for Adsorptionâ€Enhanced Photocatalytic Degradation of Lowâ€Concentration Air Pollutants. ChemCatChem, 2013, 5, 3114-3123.	1.8	27
80	Fabrication of a boron nitrideâ€“gold nanocluster composite and its versatile application for immunoassays. Chemical Communications, 2013, 49, 10757.	2.2	75
81	Charge Transfer in CdSe Nanocrystal Complexes with an Electroactive Polymer. Journal of Physical Chemistry C, 2013, 117, 18870-18884.	1.5	17
82	Rhodamine B derivative-functionalized upconversion nanoparticles for FRET-based Fe3+-sensing. Chemical Communications, 2013, 49, 7797.	2.2	91
83	Femtosecond timeâ€resolved hot carrier energy distributions of photoexcited semiconductor quantum dots. Annalen Der Physik, 2013, 525, 43-48.	0.9	7
84	Study of the Partial Ag-to-Zn Cation Exchange in AgInS₂/ZnS Nanocrystals. Journal of Physical Chemistry C, 2013, 117, 648-656.	1.5	112
85	Photophysics of Silicon Phthalocyanines in Aqueous Media. ChemPhysChem, 2013, 14, 321-330.	1.0	15
86	Nanoparticle mediated non-covalent drug delivery. Advanced Drug Delivery Reviews, 2013, 65, 607-621.	6.6	145
87	Nanoparticles for imaging and treating brain cancer. Nanomedicine, 2013, 8, 123-143.	1.7	102
88	Phase Transformation and Charge Transfer in Heavily Iron Ion Doped Titanium Oxide and Oxynitride Nanocolloids. Journal of Physical Chemistry C, 2013, 117, 15287-15294.	1.5	10
89	Noncovalent Intracellular Drug Delivery of Hydrophobic Drugs on Au NPs. Methods in Molecular Biology, 2013, 1025, 251-260.	0.4	1
90	Gold nanoparticles for diagnostic sensing and therapy. Inorganica Chimica Acta, 2012, 393, 142-153.	1.2	78

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91	Contribution of Femtosecond Laser Spectroscopy to the Development of Advanced Optoelectronic Nanomaterials. Journal of Physical Chemistry Letters, 2012, 3, 1921-1927.	2.1	27
92	Ultrafast Photoinduced Electron Transfer between an Incarcerated Donor and a Free Acceptor in Aqueous Solution. Journal of the American Chemical Society, 2012, 134, 14718-14721.	6.6	56
93	Gold Nanoclusters as Signal Amplification Labels for Optical Immunosensors. Journal of Physical Chemistry C, 2012, 116, 2548-2554.	1.5	27
94	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.	1.5	51
95	Nanoparticle Î¶ -Potentials. Accounts of Chemical Research, 2012, 45, 317-326.	7.6	249
96	Interactive metal ionâ€“silicon oxidation/reduction processes on fumed silica. RSC Advances, 2012, 2, 10209.	1.7	8
97	Development of plasmonic semiconductor nanomaterials with copper chalcogenides for a future with sustainable energy materials. Energy and Environmental Science, 2012, 5, 5564-5576.	15.6	334
98	The unique role of nanoparticles in nanomedicine: imaging, drug delivery and therapy. Chemical Society Reviews, 2012, 41, 2885.	18.7	974
99	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.	1.0	16
100	Measuring Electron and Hole Transfer in Core/Shell Nanoheterostructures. ACS Nano, 2011, 5, 6016-6024.	7.3	76
101	Rapid sonochemical synthesis of highly luminescent non-toxic AuNCs and Au@AgNCs and Cu (ii) sensing. Chemical Communications, 2011, 47, 4237.	2.2	200
102	Toward high-performance nanostructured thermoelectric materials: the progress of bottom-up solution chemistry approaches. Journal of Materials Chemistry, 2011, 21, 17049.	6.7	63
103	Synthesis and Photophysical Properties of Ternary Iâ€“IIIâ€“VI AgInS₂ Nanocrystals: Intrinsic versus Surface States. Journal of Physical Chemistry C, 2011, 115, 8945-8954.	1.5	207
104	Nanoparticles for Photodynamic Therapy. , 2011, , 1-28.		6
105	Deep Penetration of a PDT Drug into Tumors by Noncovalent Drug-Gold Nanoparticle Conjugates. Journal of the American Chemical Society, 2011, 133, 2583-2591.	6.6	270
106	Addressing Brain Tumors with Targeted Gold Nanoparticles: A New Gold Standard for Hydrophobic Drug Delivery?. Small, 2011, 7, 2301-2306.	5.2	103
107	Emergent Properties Resulting from Typeâ€II Band Alignment in Semiconductor Nanoheterostructures. Advanced Materials, 2011, 23, 180-197.	11.1	302
108	Improving Thermoelectric Properties of Chemically Synthesized Bi₂Te₃-Based Nanocrystals by Annealing. Journal of Physical Chemistry C, 2010, 114, 11607-11613.	1.5	61

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109	Delivery and Efficacy of a Cancer Drug as a Function of the Bond to the Gold Nanoparticle Surface. Langmuir, 2010, 26, 2248-2255.	1.6	144
110	Enhancing Thermoelectric Performance of Ternary Nanocrystals through Adjusting Carrier Concentration. Journal of the American Chemical Society, 2010, 132, 4982-4983.	6.6	105
111	Solar-Light Photoamperometric and Photocatalytic Properties of Quasi-transparent TiO₂ Nanoporous Thin Films. ACS Applied Materials & Interfaces, 2010, 2, 3075-3082.	4.0	24
112	Electrophoretic Mobilities of PEGylated Gold NPs. Journal of the American Chemical Society, 2010, 132, 15624-15631.	6.6	88
113	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.	2.1	121
114	Visible-light-driven reversible and switchable hydrophobic to hydrophilic nitrogen-doped titania surfaces: correlation with photocatalysis. Nanoscale, 2010, 2, 2257.	2.8	67
115	Fabrication of near-infrared-emitting CdSeTe/ZnS core/shell quantum dots and their electrogenerated chemiluminescence. Chemical Communications, 2010, 46, 2974.	2.2	93
116	Study of concentration-dependent cobalt ion doping of TiO2 and TiO2â^'xNx at the nanoscale. Nanoscale, 2010, 2, 1134.	2.8	32
117	Improvement of the thermoelectric power factor through anisotropic growth of nanostructured PbSe thin films. Dalton Transactions, 2010, 39, 1095-1100.	1.6	14
118	Wireless Activation of Neurons in Brain Slices Using Nanostructured Semiconductor Photoelectrodes. Angewandte Chemie - International Edition, 2009, 48, 2407-2410.	7.2	19
119	Chemical Synthesis of Bi_{0.5}Sb_{1.5}Te₃ Nanocrystals and Their Surface Oxidation Properties. ACS Applied Materials & Interfaces, 2009, 1, 1259-1263.	4.0	58
120	Plasmonic Cu_{2â^'x}S Nanocrystals: Optical and Structural Properties of Copper-Deficient Copper(I) Sulfides. Journal of the American Chemical Society, 2009, 131, 4253-4261.	6.6	920
121	Synthesis and Characterization of Nitrogen-doped SnO2 and Comparison to Nitrogen-doped CeO2 Nanoparticles for Visible-light Applications. ECS Transactions, 2009, 16, 67-77.	0.3	3
122	Visible-light Photodegradation of Higher Molecular Weight Organics on N-doped TiO2 Nanostructured Thin Films. Topics in Catalysis, 2008, 47, 42-48.	1.3	16
123	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.	0.8	119
124	Thermoelectric properties of pressed bismuth nanoparticles. Superlattices and Microstructures, 2008, 43, 195-207.	1.4	26
125	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, 5018-5019.	6.6	1,119
126	Highly Efficient Drug Delivery with Gold Nanoparticle Vectors for in Vivo Photodynamic Therapy of Cancer. Journal of the American Chemical Society, 2008, 130, 10643-10647.	6.6	682

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127	Synthesis, characterization and computational study of nitrogen-doped CeO2 nanoparticles with visible-light activity. Physical Chemistry Chemical Physics, 2008, 10, 5633.	1.3	93
128	The Effects of Sintering on the Photocatalytic Activity of N-Doped TiO₂ Nanoparticles. Chemistry of Materials, 2008, 20, 2629-2636.	3.2	159
129	Targeting of mitochondria by 10-N-alkyl acridine orange analogues: Role of alkyl chain length in determining cellular uptake and localization. Mitochondrion, 2008, 8, 237-246.	1.6	45
130	One- and two-photon induced QD-based energy transfer and the influence of multiple QD excitations. Photochemical and Photobiological Sciences, 2008, 7, 605-613.	1.6	15
131	Meta and Para Effects in the Ultrafast Excited-State Dynamics of the Green Fluorescent Protein Chromophores. Journal of Physical Chemistry B, 2008, 112, 2700-2711.	1.2	92
132	Semiconductor Quantum Dots as Two-Photon Sensitizers. Journal of the American Chemical Society, 2008, 130, 2890-2891.	6.6	58
133	Absence of Dislocation Motion in 3C-SiC pn Diodes under Forward Bias. Materials Science Forum, 2007, 556-557, 223-226.	0.3	9
134	Synthesis and Characterization of Nitrogenâ€Doped Groupâ€‰IVB Visibleâ€Lightâ€Photoactive Metal Oxide Nanoparticles. Advanced Materials, 2007, 19, 3995-3999.	11.1	104
135	Spectroelectrochemistry of hollow spherical CdSe quantum dot assemblies in water. Electrochemistry Communications, 2007, 9, 551-557.	2.3	54
136	Chemically synthesized nitrogen-doped metal oxide nanoparticles. Chemical Physics, 2007, 339, 1-10.	0.9	195
137	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.	2.0	123
138	Possible formation mechanisms for surface defects observed in heteroepitaxially grown 3C-SiC. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 2216-2221.	0.8	11
139	Effect of the Functionalization of the Axial Phthalocyanine Ligands on the Energy Transfer in QD-based Donorâ€“Acceptor Pairs. Photochemistry and Photobiology, 2007, 84, 071117035358009-???.	1.3	26
140	Surface Effects on Quantum Dot-Based Energy Transfer. Journal of the American Chemical Society, 2007, 129, 7977-7981.	6.6	97
141	Observation of Non-FÃ¶rster-Type Energy-Transfer Behavior in Quantum Dotâ"Phthalocyanine Conjugates. Journal of the American Chemical Society, 2006, 128, 13974-13975.	6.6	113
142	Reply to â€œComment on â€œPhotoelectron Spectroscopic Investigation of Nitrogen-Doped Titania Nanoparticles'â€. Journal of Physical Chemistry B, 2006, 110, 7081-7082.	1.2	17
143	A Simple Parallel Photochemical Reactor for Photodecomposition Studies. Journal of Chemical Education, 2006, 83, 265.	1.1	18
144	Quantum Dot-based Energy Transfer: Perspectives and Potential for Applications in Photodynamic Therapy. Photochemistry and Photobiology, 2006, 82, 617.	1.3	261

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145	Femtosecond time-resolved energy transfer from CdSe nanoparticles to phthalocyanines. Applied Physics B: Lasers and Optics, 2006, 84, 309-315.	1.1	57
146	Nanostructured Bi2Se3 Films and Their Thermoelectric Transport Properties. Angewandte Chemie - International Edition, 2006, 45, 5656-5659.	7.2	60
147	Novel TiO2 nanocatalysts for wastewater purification: tapping energy from the sun. Water Science and Technology, 2006, 54, 47-54.	1.2	73
148	Novel TiO2 Nanocatalysts for Wastewater Purification-Tapping Energy from the Sun. Water Practice and Technology, 2006, 1, .	1.0	5
149	Novel nanosystems enabling near IR multimodal imaging. , 2005, 5929, 63.		1
150	Synthesis and characterization of novel nanostructured thermoelectric materials. , 2005, 5929, 243.		0
151	Doped Semiconductor Nanomaterials. Journal of Nanoscience and Nanotechnology, 2005, 5, 1408-1420.	0.9	79
152	Chemistry and Properties of Nanocrystals of Different Shapes. Chemical Reviews, 2005, 105, 1025-1102.	23.0	6,821
153	PbTe Nanorods by Sonoelectrochemistry. Angewandte Chemie - International Edition, 2005, 44, 5855-5857.	7.2	103
154	Defect-Related Optical Behavior in Surface Modified TiO2 Nanostructures. Advanced Functional Materials, 2005, 15, 161-167.	7.8	212
155	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.	7.8	402
156	Chemistry and Properties of Nanocrystals of Different Shapes. ChemInform, 2005, 36, no.	0.1	24
157	Copper Oxide Nanocrystals.. ChemInform, 2005, 36, no.	0.1	1
158	PbTe Nanorods by Sonoelectrochemistry.. ChemInform, 2005, 36, no.	0.1	0
159	Unusual properties and reactivity at the nanoscale. Journal of Physics and Chemistry of Solids, 2005, 66, 546-550.	1.9	21
160	Size and structure effect on optical transitions of iron oxide nanocrystals. Physical Review B, 2005, 71, .	1.1	287
161	Investigation of the Crystallization Process in 2 nm CdSe Quantum Dots. Journal of the American Chemical Society, 2005, 127, 4372-4375.	6.6	112
162	Photocatalytic degradation of azo dyes by nitrogen-doped TiO2 nanocatalysts. Chemosphere, 2005, 61, 11-18.	4.2	250

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163	Evaluation of quantum dots for photodynamic therapy (Invited Paper). , 2005, , .		1
164	Copper Oxide Nanocrystals. Journal of the American Chemical Society, 2005, 127, 9506-9511.	6.6	873
165	Electron-Hole Pair Relaxation Dynamics in Binary Copper-Based Semiconductor Quantum Dots. Journal of the Electrochemical Society, 2005, 152, G427.	1.3	15
166	Effect of the erbium dopant architecture on the femtosecond relaxation dynamics of silicon nanocrystals. Journal of Chemical Physics, 2004, 120, 8716-8723.	1.2	6
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