

Thomas Nann

List of Publications by Year in descending order

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166
papers

12,246
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50244

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all docs

181
docs citations

181
times ranked

17729
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#	ARTICLE	IF	CITATIONS
1	Synthesis of CuCo ₂ S ₄ nanoparticles assembled in micro-sized hollow spheres composed with polyaniline: An effective electrode material for supercapacitors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 276, 115578.	1.7	7
2	Mesoporous and defective activated carbon cathode for AlCl ₄ ⁻ anion storage in non-aqueous aluminium-ion batteries. <i>Carbon</i> , 2022, 191, 195-204.	5.4	23
3	Unraveling the multivalent aluminium-ion redox mechanism in 3,4,9,10-perylenetetracarboxylic dianhydride (PTCDA). <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 5886-5893.	1.3	3
4	Graphite-Mediated Microwave-Exfoliated Graphene Fluoride as Supercapacitor Electrodes. <i>Nanomaterials</i> , 2022, 12, 1796.	1.9	2
5	Novel devices for isolation and detection of bacterial and mammalian extracellular vesicles. <i>Mikrochimica Acta</i> , 2021, 188, 139.	2.5	6
6	A 2.7 V Aqueous Supercapacitor Using a Microemulsion Electrolyte**. <i>Batteries and Supercaps</i> , 2021, 4, 1122-1125.	2.4	7
7	Green Synthesized Carbon Quantum Dots/Cobalt Sulfide Nanocomposite as Efficient Electrode Material for Supercapacitors. <i>Energy & Fuels</i> , 2021, 35, 9635-9645.	2.5	29
8	A Theoretical Framework for the Electrochemical Characterization of Anisotropic Microemulsions**. <i>ChemElectroChem</i> , 2021, 8, 3397-3409.	1.7	3
9	High Voltage Carbon-Based Cathodes for Non-Aqueous Aluminium-Ion Batteries**. <i>ChemElectroChem</i> , 2021, 8, 492-499.	1.7	13
10	A C ₂ O ₅ core-sheath nanofibrous cathode with mixed-ion intercalation for aluminium-ion batteries. <i>Nano Express</i> , 2020, 1, 010016.	1.2	8
11	Suppressed self-discharge of an aqueous supercapacitor using Earth-abundant materials. <i>Journal of Electroanalytical Chemistry</i> , 2020, 871, 114307.	1.9	15
12	Highly efficient electrocatalytic hydrogen evolution promoted by Mo-C interfaces of ultrafine Ir ₂ -Mo ₂ C nanostructures. <i>Chemical Science</i> , 2020, 11, 3523-3530.	3.7	54
13	Electrospun, Oriented, Ferromagnetic Ni _{1-x} Fe _x Nanofibers. <i>Frontiers in Chemistry</i> , 2020, 8, 47.	1.8	2
14	Photometric Sensing of Active Chlorine, Total Chlorine, and pH on a Microfluidic Chip for Online Swimming Pool Monitoring. <i>Sensors</i> , 2020, 20, 3099.	2.1	18
15	On battery materials and methods. <i>Materials Today Advances</i> , 2020, 6, 100046.	2.5	81
16	Solid-Electrolyte Interphases (SEI) in Nonaqueous Aluminum-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 3673-3683.	2.5	17
17	Molybdenum Dichalcogenide Cathodes for Aluminum-Ion Batteries. <i>Energy Technology</i> , 2020, 8, 2000038.	1.8	22
18	Rapid synthesis of defective and composition-controlled metal chalcogenide nanosheets by supercritical hydrothermal processing. <i>Nanoscale Advances</i> , 2019, 1, 3383-3387.	2.2	8

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19	Glucose Sensor Using Redox Active Oligonucleotide-Templated Silver Nanoclusters. <i>Nanomaterials</i> , 2019, 9, 1065.	1.9	5
20	An In Vitro Investigation of Cytotoxic Effects of InP/Zns Quantum Dots with Different Surface Chemistries. <i>Nanomaterials</i> , 2019, 9, 135.	1.9	28
21	Copper Metallopolymer Catalyst for the Electrocatalytic Hydrogen Evolution Reaction (HER). <i>Polymers</i> , 2019, 11, 110.	2.0	8
22	Improved uniaxial dielectric properties in aligned diisopropylammonium bromide (DIPAB) doped poly(vinylidene difluoride) (PVDF) nanofibers. <i>RSC Advances</i> , 2019, 9, 31233-31240.	1.7	5
23	Size-controlled, high optical quality ZnO nanowires grown using colloidal Au nanoparticles and ultra-small cluster catalysts. <i>APL Materials</i> , 2019, 7, 022518.	2.2	5
24	General Synthetic Strategy for Libraries of Supported Multicomponent Metal Nanoparticles. <i>ACS Nano</i> , 2018, 12, 4594-4604.	7.3	66
25	Unraveling aminophosphine redox mechanisms for glovebox-free InP quantum dot syntheses. <i>Nanoscale</i> , 2018, 10, 8752-8762.	2.8	36
26	CuInS ₂ /ZnS QD-ferroelectric liquid crystal mixtures for faster electro-optical devices and their energy storage aspects. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	13
27	Demonstration of the lack of cytotoxicity of unmodified and folic acid modified graphene oxide quantum dots, and their application to fluorescence lifetime imaging of HaCaT cells. <i>Mikrochimica Acta</i> , 2018, 185, 128.	2.5	38
28	Cadmium-Free Quantum Dots as Fluorescent Labels for Exosomes. <i>Sensors</i> , 2018, 18, 3308.	2.1	22
29	Acetamide: a low-cost alternative to alkyl imidazolium chlorides for aluminium-ion batteries. <i>Chemical Communications</i> , 2018, 54, 11725-11728.	2.2	48
30	Conducting Copper(I/II)-Metallopolymer for the Electrocatalytic Oxygen Reduction Reaction (ORR) with High Kinetic Current Density. <i>Polymers</i> , 2018, 10, 1002.	2.0	6
31	“Exosomes” A Review of Biophysics, Biology and Biochemistry of Exosomes With a Focus on Human Breast Milk. <i>Frontiers in Genetics</i> , 2018, 9, 92.	1.1	143
32	Editorial Announcement. <i>Nanomaterials</i> , 2018, 8, 12.	1.9	12
33	Electrospun Composites of Polycaprolactone and Porous Silicon Nanoparticles for the Tunable Delivery of Small Therapeutic Molecules. <i>Nanomaterials</i> , 2018, 8, 205.	1.9	13
34	Carbon Nanotubes in TiO ₂ Nanofiber Photoelectrodes for High-Performance Perovskite Solar Cells. <i>Advanced Science</i> , 2017, 4, 1600504.	5.6	83
35	Heterogeneity in the fluorescence of graphene and graphene oxide quantum dots. <i>Mikrochimica Acta</i> , 2017, 184, 871-878.	2.5	47
36	Apparatus for the investigation of high-temperature, high-pressure gas-phase heterogeneous catalytic and photo-catalytic materials. <i>Review of Scientific Instruments</i> , 2017, 88, 054101.	0.6	4

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37	Trends in Aluminium-Based Intercalation Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1602093.	10.2	181
38	Disperse-and-Collect Approach for the Type-Selective Detection of Matrix Metalloproteinases in Porous Silicon Resonant Microcavities. <i>ACS Sensors</i> , 2017, 2, 203-209.	4.0	11
39	Platinum Terpyridine Metallopolymer Electrode as Cost-Effective Replacement for Bulk Platinum Catalysts in Oxygen Reduction Reaction and Hydrogen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 10206-10214.	3.2	27
40	Electroactive Polyhydroquinone Coatings for Marine Fouling Prevention—A Rejected Dynamic pH Hypothesis and a Deceiving Artifact in Electrochemical Antifouling Testing. <i>ACS Omega</i> , 2017, 2, 4751-4759.	1.6	5
41	Electrospinning of Photocatalytic Electrodes for Dye-sensitized Solar Cells. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	2
42	Deposition Methods of Graphene as Electrode Material for Organic Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1601393.	10.2	56
43	{Ni4O4} Cluster Complex to Enhance the Reductive Photocurrent Response on Silicon Nanowire Photocathodes. <i>Nanomaterials</i> , 2017, 7, 33.	1.9	2
44	3D Micro-printing of Optical Temperature Probes. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2017, , 475-475.	0.2	0
45	Silicon Nanowire Photocathodes for Photoelectrochemical Hydrogen Production. <i>Nanomaterials</i> , 2016, 6, 144.	1.9	12
46	The Power of Heterogeneity: Parameter Relationships from Distributions. <i>PLoS ONE</i> , 2016, 11, e0155718.	1.1	5
47	Graphene Quantum Dots for Theranostics and Bioimaging. <i>Pharmaceutical Research</i> , 2016, 33, 2337-2357.	1.7	118
48	Microfluidic Chip for the Photocatalytic Production of Active Chlorine. <i>Langmuir</i> , 2016, 32, 4952-4958.	1.6	15
49	Catalytically Active Bimetallic Nanoparticles Supported on Porous Carbon Capsules Derived From Metal-Organic Framework Composites. <i>Journal of the American Chemical Society</i> , 2016, 138, 11872-11881.	6.6	237
50	Photo-doping of plasma-deposited polyaniline (PAni). <i>RSC Advances</i> , 2016, 6, 70691-70699.	1.7	27
51	Investigation of porous silicon photocathodes for photoelectrochemical hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 19915-19920.	3.8	8
52	SWCNT photocathodes sensitised with InP/ZnS core-shell nanocrystals. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3379-3384.	2.7	15
53	A TiO ₂ Nanofiber-Carbon Nanotube-Composite Photoanode for Improved Efficiency in Dye-Sensitized Solar Cells. <i>ChemSusChem</i> , 2015, 8, 3351-3351.	3.6	1
54	Doping Group IIB Metal Ions into Quantum Dot Shells via the One-Pot Decomposition of Metal-Dithiocarbamates. <i>Advanced Optical Materials</i> , 2015, 3, 704-712.	3.6	19

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55	A TiO ₂ Nanofiber-Carbon Nanotube-Composite Photoanode for Improved Efficiency in Dye-Sensitized Solar Cells. <i>ChemSusChem</i> , 2015, 8, 3396-3400.	3.6	43
56	Polyethyleneimine for copper absorption II: kinetics, selectivity and efficiency from seawater. <i>RSC Advances</i> , 2015, 5, 51883-51890.	1.7	54
57	Intestinal absorption of fluorescently labeled nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 1169-1178.	1.7	16
58	Boron-Doped Silicon Diatom Frustules as a Photocathode for Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 17381-17387.	4.0	26
59	CuInS ₂ /ZnS nanocrystals as sensitizers for NiO photocathodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13324-13331.	5.2	35
60	Rapid microwave assisted synthesis of nearly monodisperse aqueous CuInS ₂ /ZnS nanocrystals. <i>CrystEngComm</i> , 2015, 17, 7820-7823.	1.3	6
61	Three-dimensional micro-printing of temperature sensors based on up-conversion luminescence. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	39
62	Porous silicon nanoparticles as a nanophotocathode for photoelectrochemical water splitting. <i>RSC Advances</i> , 2015, 5, 85978-85982.	1.7	20
63	Comparison of selenophene and thienothiophene incorporation into pentacyclic lactam-based conjugated polymers for organic solar cells. <i>Polymer Chemistry</i> , 2015, 6, 7402-7409.	1.9	6
64	Selective assembly of Au-Fe ₃ O ₄ nanoparticle hetero-dimers. <i>Mikrochimica Acta</i> , 2015, 182, 2293-2298.	2.5	10
65	Nanostructured silicon photoelectrodes for solar water electrolysis. <i>Nano Energy</i> , 2015, 17, 308-322.	8.2	45
66	Monofunctionalization and Dimerization of Nanoparticles Using Coordination Chemistry. <i>ACS Nano</i> , 2015, 9, 1434-1439.	7.3	17
67	NiO Nanofibers as a Candidate for a Nanophotocathode. <i>Nanomaterials</i> , 2014, 4, 256-266.	1.9	49
68	Photoresponsive properties of ultrathin silicon nanowires. <i>Applied Physics Letters</i> , 2014, 105, 231116.	1.5	22
69	Fluorescence Lifetime Analysis of Graphene Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2014, 118, 30282-30290.	1.5	31
70	Graphene Quantum Dots. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 415-428.	1.2	787
71	Controlled synthesis and characterization of iron oxide nanostructures with potential applications for gas sensors and the environment. <i>RSC Advances</i> , 2014, 4, 6383.	1.7	29
72	A highly efficient ligand exchange reaction on gold nanoparticles: preserving their size, shape and colloidal stability. <i>RSC Advances</i> , 2014, 4, 34217-34220.	1.7	58

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73	Cation exchange of aqueous CuInS_2 quantum dots. CrystEngComm, 2014, 16, 9455-9460.	1.3	21
74	A quantum dot sensitized catalytic porous silicon photocathode. Journal of Materials Chemistry A, 2014, 2, 9478-9481.	5.2	38
75	Copper-Doped CdSe/ZnS Quantum Dots: Controllable Photoactivated Copper(I) Cation Storage and Release Vectors for Catalysis. Angewandte Chemie - International Edition, 2014, 53, 1598-1601.	7.2	58
76	Gas-sensing properties of p-type Fe_2O_3 polyhedral particles synthesized via a modified polyol method. RSC Advances, 2014, 4, 8250.	1.7	38
77	Synthesis and Phase Transfer of Monodisperse Iron Oxide (Fe_3O_4) Nanocubes. Australian Journal of Chemistry, 2014, 67, 663.	0.5	15
78	Silicon diatom frustules as nanostructured photoelectrodes. Chemical Communications, 2014, 50, 10441.	2.2	55
79	InP/ZnS Nanocrystals as Fluorescent Probes for the Detection of ATP. Nanomaterials and Nanotechnology, 2014, 4, 15.	1.2	6
80	<i>In-situ</i> local temperature measurement during three-dimensional direct laser writing. Applied Physics Letters, 2013, 103, .	1.5	66
81	In-Situ Local Temperature Measurement During Three-Dimensional Direct Laser Writing. , 2013, , .		0
82	Insights into the Mechanism of Quantum Dot-Sensitized Singlet Oxygen Production for Photodynamic Therapy. Journal of Physical Chemistry C, 2012, 116, 9334-9342.	1.5	65
83	InP nanowires from surfactant-free thermolysis of single molecule precursors. Dalton Transactions, 2012, 41, 7244.	1.6	5
84	On the Use of pH Titration to Quantitatively Characterize Colloidal Nanoparticles. Langmuir, 2012, 28, 15141-15149.	1.6	38
85	Quantum Dots for Electro-Optic Devices. ACS Nano, 2011, 5, 5291-5295.	7.3	76
86	In Vivo Applications of Inorganic Nanoparticles. , 2011, , 185-220.		5
87	Another Journal on Nanomaterials?. Nanomaterials, 2011, 1, 1-2.	1.9	11
88	Quantum Dot Sensitized Photoelectrodes. Nanomaterials, 2011, 1, 79-88.	1.9	19
89	Monodisperse upconversion $\text{GdF}_3\text{:Yb, Er}$ rhombi by microwave-assisted synthesis. Nanoscale Research Letters, 2011, 6, 267.	3.1	23
90	A Thin Silica-Polymer Shell for Functionalizing Colloidal Inorganic Nanoparticles. Angewandte Chemie - International Edition, 2011, 50, 10384-10387.	7.2	16

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91	Nanoparticles in Photodynamic Therapy. Nano Biomedicine and Engineering, 2011, 3, .	0.3	36
92	Electrophoretic properties of BSA-coated quantum dots. Analytical and Bioanalytical Chemistry, 2010, 396, 1087-1094.	1.9	36
93	Use of Nanoparticles to Study and Manipulate Plant cells. Advanced Engineering Materials, 2010, 12, B406.	1.6	18
94	Water Splitting by Visible Light: A Nanophotocathode for Hydrogen Production. Angewandte Chemie - International Edition, 2010, 49, 1574-1577.	7.2	189
95	Nanocrystals and Nanoparticles Versus Molecular Fluorescent Labels as Reporters for Bioanalysis and the Life Sciences: A Critical Comparison. Springer Series on Fluorescence, 2010, , 3-40.	0.8	7
96	Plasmon-Enhanced Upconversion in Single NaYF ₄ :Yb ³⁺ /Er ³⁺ Codoped Nanocrystals. Nano Letters, 2010, 10, 134-138.	4.5	444
97	Upconverting Nanoparticles. Springer Series on Fluorescence, 2010, , 115-132.	0.8	9
98	Size and shape evolution of upconverting nanoparticles using microwave assisted synthesis. CrystEngComm, 2010, 12, 1993.	1.3	34
99	Synthesis and exploitation of InP/ZnS quantum dots for bioimaging. , 2009, , .		2
100	Calibration-free concentration determination of charged colloidal nanoparticles and determination of effective charges by capillary isotachopheresis. Analytical and Bioanalytical Chemistry, 2009, 395, 1681-1691.	1.9	33
101	Monodisperse Upconverting Nanocrystals by Microwave-Assisted Synthesis. ACS Nano, 2009, 3, 3804-3808.	7.3	195
102	Fluorescence Lifetime Multiplexing with Nanocrystals and Organic Labels. Analytical Chemistry, 2009, 81, 7807-7813.	3.2	52
103	Optical and Surface Characterisation of Capping Ligands in the Preparation of InP/ZnS Quantum Dots. Science of Advanced Materials, 2009, 1, 125-137.	0.1	12
104	Silica coated quantum dots: a new tool for electrochemical and optical glucose detection. Mikrochimica Acta, 2008, 160, 375-383.	2.5	41
105	Organometallic synthesis and electrophoretic characterization of high-quality ZnS:Mn/ZnS core/shell nanoparticles for bioanalytical applications. Mikrochimica Acta, 2008, 160, 351-356.	2.5	20
106	(Primarily semiconducting) nanocrystals: from fundamental research to electro-optical devices and biosensors. Mikrochimica Acta, 2008, 160, 297-298.	2.5	2
107	Electrochemical determination of mesoscopic phenomena, defect states in CdSe nanocrystals and charge carrier manipulability. Mikrochimica Acta, 2008, 160, 299-308.	2.5	35
108	Blue shift of CdSe/ZnS nanocrystal-labels upon DNA-hybridization. Journal of Nanobiotechnology, 2008, 6, 7.	4.2	30

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109	Synthesis and Spectroscopic Characterization of Fluorescent Blue-Emitting Ultrastable CdSe Clusters. <i>Small</i> , 2008, 4, 883-887.	5.2	42
110	Silica-Coated InP/ZnS Nanocrystals as Converter Material in White LEDs. <i>Advanced Materials</i> , 2008, 20, 4068-4073.	11.1	284
111	A Four-Color Colloidal Multiplexing Nanoparticle System. <i>ACS Nano</i> , 2008, 2, 120-124.	7.3	315
112	Rapid synthesis of highly luminescent InP and InP/ZnS nanocrystals. <i>Journal of Materials Chemistry</i> , 2008, 18, 2653.	6.7	279
113	Stability and Fluorescence Quantum Yield of CdSe/ZnS Quantum Dots: Influence of the Thickness of the ZnS Shell. <i>Annals of the New York Academy of Sciences</i> , 2008, 1130, 235-241.	1.8	76
114	Acoustically Levitated Droplets. <i>Annals of the New York Academy of Sciences</i> , 2008, 1130, 78-84.	1.8	7
115	Quantum dots versus organic dyes as fluorescent labels. <i>Nature Methods</i> , 2008, 5, 763-775.	9.0	3,331
116	ISOTACHOPHORETIC MEASUREMENTS OF LUMINESCENT SEMICONDUCTOR NANOCRYSTALS. <i>Biophysical Reviews and Letters</i> , 2007, 02, 99-108.	0.9	7
117	Colloidal quantum dots in high-Q pillar microcavities. , 2007, , .		0
118	Colloidal Quantum Dots in High-Q Pillar Microcavities. , 2007, , .		0
119	Isotachophoretic measurements of luminescent semiconductor nanocrystals. <i>International Journal of Nanotechnology</i> , 2007, 4, 298.	0.1	3
120	High-Quality ZnS Shells for CdSe Nanoparticles: Rapid Microwave Synthesis. <i>Langmuir</i> , 2007, 23, 7751-7759.	1.6	59
121	Colloidal Quantum Dots in All-Dielectric High-Q Pillar Microcavities. <i>Nano Letters</i> , 2007, 7, 2897-2900.	4.5	68
122	Hollow Silica Nanospheres: In situ, Semi-In situ, and Two-Step Synthesis. <i>Chemistry of Materials</i> , 2007, 19, 1700-1703.	3.2	73
123	Au-silica nanoparticles by reverse-synthesis of cores in hollow silica shells. <i>Chemical Communications</i> , 2007, , 2031-2033.	2.2	41
124	Quantitative Analysis of Cadmium Selenide Nanocrystal Concentration by Comparative Techniques. <i>Analytical Chemistry</i> , 2007, 79, 8987-8993.	3.2	43
125	Direct Immunofluorescence of Plant Microtubules Based on Semiconductor Nanocrystals. <i>Bioconjugate Chemistry</i> , 2007, 18, 1879-1886.	1.8	22
126	Fluorescence-Emission Control of Single CdSe Nanocrystals Using Gold-Modified AFM Tips. <i>Small</i> , 2007, 3, 44-49.	5.2	28

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127	Quantum confinement of the thermodynamic functions for the formation of electrons and holes in CdSe nanocrystals. <i>Journal of Applied Physics</i> , 2006, 100, 074314.	1.1	5
128	Synthesis and Spectroscopic Investigations of Cu- and Pb-Doped Colloidal ZnS Nanocrystals. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23175-23178.	1.2	49
129	Silica coated, water dispersible and photoluminescent Y (V,P)O ₄ :Eu ³⁺ ,Bi ³⁺ +nanophosphors. <i>Nanotechnology</i> , 2006, 17, 4168-4173.	1.3	54
130	One-pot synthesis of YF ₃ @silica core/shell nanoparticles. <i>Chemical Communications</i> , 2006, , 776.	2.2	44
131	Rapid Synthesis of High-Quality InP Nanocrystals. <i>Journal of the American Chemical Society</i> , 2006, 128, 1054-1055.	6.6	173
132	Silica Encapsulation of Hydrophobically Ligated PbSe Nanocrystals. <i>Langmuir</i> , 2006, 22, 4371-4375.	1.6	56
133	Shape Control of II-VI Semiconductor Nanomaterials. <i>Small</i> , 2006, 2, 316-329.	5.2	365
134	Read-out concepts for multiplexed bead-based fluorescence immunoassays on centrifugal microfluidic platforms. <i>Sensors and Actuators A: Physical</i> , 2006, 126, 455-462.	2.0	69
135	A facile method for coding and labeling assays on polystyrene beads with differently colored luminescent nanocrystals. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 384, 645-650.	1.9	32
136	Heterogeneous Charge Transfer of Colloidal Nanocrystals in Ionic Liquids. <i>ChemPhysChem</i> , 2006, 7, 77-81.	1.0	25
137	Combined TIRF-AFM setup: controlled quenching of individual quantum dots. , 2006, , .		1
138	Electrophoretic analysis of gold nanoparticles: size-dependent electrophoretic mobility of nanoparticles. <i>IET Nanobiotechnology</i> , 2006, 153, 47.	2.1	32
139	Synthesis and electrochemical properties of InP nanocrystals. <i>Journal of Materials Research</i> , 2006, 21, 543-546.	1.2	9
140	Deep level defect luminescence in cadmium selenide nano-crystals films. <i>Journal of Crystal Growth</i> , 2005, 280, 502-508.	0.7	45
141	Single Quantum Dots in Silica Spheres by Microemulsion Synthesis. <i>Chemistry of Materials</i> , 2005, 17, 5720-5725.	3.2	357
142	Synthesis and Structural Metastability of CdTe Nanowires. <i>Chemistry - A European Journal</i> , 2005, 11, 2220-2224.	1.7	38
143	An electrochemical biomimetic ATP-sensor. <i>Sensors and Actuators B: Chemical</i> , 2005, 104, 111-116.	4.0	14
144	Quantum dots with silica shells. , 2005, 5705, 77.		2

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145	Excitation Dependence of Steady-State Photoluminescence in CdSe Nanocrystal Films. Journal of Physical Chemistry B, 2005, 109, 15349-15354.	1.2	14
146	Determination of Defect States in Semiconductor Nanocrystals by Cyclic Voltammetry. Journal of Physical Chemistry B, 2005, 109, 20355-20360.	1.2	85
147	Phase-transfer of CdSe@ZnS quantum dots using amphiphilic hyperbranched polyethylenimine. Chemical Communications, 2005, , 1735.	2.2	138
148	Nanostructured p^{n} Junctions for Printable Photovoltaics. MRS Bulletin, 2004, 29, 43-47.	1.7	11
149	First solar cells based on CdTe nanoparticle/MEH-PPV composites. Journal of Materials Research, 2004, 19, 1990-1994.	1.2	85
150	Application of luminescent nanocrystals as labels for biological molecules. Analytical and Bioanalytical Chemistry, 2004, 379, 913-9.	1.9	111
151	Single Quantum Dots in Spherical Silica Particles. Angewandte Chemie - International Edition, 2004, 43, 5393-5396.	7.2	249
152	Origin of permanent electric dipole moments in wurtzite nanocrystals. Chemical Physics Letters, 2004, 384, 150-152.	1.2	81
153	Charge transfer efficiency in hybrid bulk heterojunction composites. Journal of Chemical Physics, 2004, 121, 1074-1079.	1.2	13
154	Charge transfer mechanism in hybrid bulk heterojunction composites. Journal of Chemical Physics, 2004, 120, 1500-1505.	1.2	40
155	Simulation in electrochemistry using the finite element method part 2: scanning electrochemical microscopy. Electrochimica Acta, 2003, 48, 3975-3980.	2.6	42
156	Determination of quantum confinement in CdSe nanocrystals by cyclic voltammetry. Journal of Chemical Physics, 2003, 119, 2333-2337.	1.2	257
157	Hexagonal CdTe nanoparticles of various morphologies. Chemical Communications, 2003, , 2478.	2.2	44
158	Visualizing the Self-Assembly of Tubulin with Luminescent Nanorods. Journal of Nanoscience and Nanotechnology, 2003, 3, 380-385.	0.9	44
159	Monodisperse CdSe Nanorods at Low Temperatures. Chemistry - A European Journal, 2002, 8, 4791-4795.	1.7	44
160	Electrochemical metallization of self-assembled porphyrin monolayers. Analytical and Bioanalytical Chemistry, 2002, 373, 749-753.	1.9	10
161	Deposition of hydroquinone-thiosulfate on gold by means of anodic oxidation. Journal of Electroanalytical Chemistry, 2001, 505, 125-132.	1.9	7
162	Development of Receptor Based Affinity Microassay. , 2001, , 366-369.		0

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163	A new dynamic hydrogen reference electrode for applications in thin-film sensor systems. Sensors and Actuators B: Chemical, 2000, 70, 188-195.	4.0	11
164	Simulation in electrochemistry using the finite element methodPart 1: The algorithm. Electrochemistry Communications, 1999, 1, 289-294.	2.3	69
165	Semiconductor nanoparticles: new building blocks for polymer-microelectronics?. , 0, , .		1
166	Parallelization of chip-based fluorescence immuno-assays with quantum-dot labelled beads. , 0, , .		2