Thomas Nann

List of Publications by Year
in descending order

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166	12,246	50244	25770
papers	citations	46 h-index	108 g-index

181	181	181	17729
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantum dots versus organic dyes as fluorescent labels. Nature Methods, 2008, 5, 763-775.	9.0	3,331
2	Graphene Quantum Dots. Particle and Particle Systems Characterization, 2014, 31, 415-428.	1.2	787
3	Plasmon-Enhanced Upconversion in Single NaYF₄:Yb³⁺/Er³⁺ Codoped Nanocrystals. Nano Letters, 2010, 10, 134-138.	4.5	444
4	Shape Control of IIâ€“VI Semiconductor Nanomaterials. Small, 2006, 2, 316-329.	5.2	365
5	Single Quantum Dots in Silica Spheres by Microemulsion Synthesis. Chemistry of Materials, 2005, 17, 5720-5725.	3.2	357
6	A Four-Color Colloidal Multiplexing Nanoparticle System. ACS Nano, 2008, 2, 120-124.	7.3	315
7	Silicaâ€Coated InP/ZnS Nanocrystals as Converter Material in White LEDs. Advanced Materials, 2008, 20, 4068-4073.	11.1	284
8	Rapid synthesis of highly luminescent InP and InP/ZnS nanocrystals. Journal of Materials Chemistry, 2008, 18, 2653.	6.7	279
9	Determination of quantum confinement in CdSe nanocrystals by cyclic voltammetry. Journal of Chemical Physics, 2003, 119, 2333-2337.	1.2	257
10	Single Quantum Dots in Spherical Silica Particles. Angewandte Chemie - International Edition, 2004, 43, 5393-5396.	7.2	249
11	Catalytically Active Bimetallic Nanoparticles Supported on Porous Carbon Capsules Derived From Metalâ€“Organic Framework Composites. Journal of the American Chemical Society, 2016, 138, 11872-11881.	6.6	237
12	Monodisperse Upconverting Nanocrystals by Microwave-Assisted Synthesis. ACS Nano, 2009, 3, 3804-3808.	7.3	195
13	Water Splitting by Visible Light: A Nanophotocathode for Hydrogen Production. Angewandte Chemie - International Edition, 2010, 49, 1574-1577.	7.2	189
14	Trends in Aluminiumâ€Based Intercalation Batteries. Advanced Energy Materials, 2017, 7, 1602093.	10.2	181
15	Rapid Synthesis of High-Quality InP Nanocrystals. Journal of the American Chemical Society, 2006, 128, 1054-1055.	6.6	173
16	â€œExosomicsâ€â€”A Review of Biophysics, Biology and Biochemistry of Exosomes With a Focus on Human Breast Milk. Frontiers in Genetics, 2018, 9, 92.	1.1	143
17	Phase-transfer of CdSe@ZnS quantum dots using amphiphilic hyperbranched polyethylenimine. Chemical Communications, 2005, , 1735.	2.2	138
18	Graphene Quantum Dots for Theranostics and Bioimaging. Pharmaceutical Research, 2016, 33, 2337-2357.	1.7	118

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19	Application of luminescent nanocrystals as labels for biological molecules. Analytical and Bioanalytical Chemistry, 2004, 379, 913-9.	1.9	111
20	First solar cells based on CdTe nanoparticle/MEH-PPV composites. Journal of Materials Research, 2004, 19, 1990-1994.	1.2	85
21	Determination of Defect States in Semiconductor Nanocrystals by Cyclic Voltammetry. Journal of Physical Chemistry B, 2005, 109, 20355-20360.	1.2	85
22	Carbon Nanotubes in TiO₂ Nanofiber Photoelectrodes for Highâ€Performance Perovskite Solar Cells. Advanced Science, 2017, 4, 1600504.	5.6	83
23	Origin of permanent electric dipole moments in wurtzite nanocrystals. Chemical Physics Letters, 2004, 384, 150-152.	1.2	81
24	On battery materials and methods. Materials Today Advances, 2020, 6, 100046.	2.5	81
25	Stability and Fluorescence Quantum Yield of CdSeâ€“ZnS Quantum Dotsâ€”Influence of the Thickness of the ZnS Shell. Annals of the New York Academy of Sciences, 2008, 1130, 235-241.	1.8	76
26	Quantum Dots for Electro-Optic Devices. ACS Nano, 2011, 5, 5291-5295.	7.3	76
27	Hollow Silica Nanospheres:â€‰ In situ, Semi-In situ, and Two-Step Synthesis. Chemistry of Materials, 2007, 19, 1700-1703.	3.2	73
28	Simulation in electrochemistry using the finite element methodPart 1: The algorithm. Electrochemistry Communications, 1999, 1, 289-294.	2.3	69
29	Read-out concepts for multiplexed bead-based fluorescence immunoassays on centrifugal microfluidic platforms. Sensors and Actuators A: Physical, 2006, 126, 455-462.	2.0	69
30	Colloidal Quantum Dots in All-Dielectric High-Q Pillar Microcavities. Nano Letters, 2007, 7, 2897-2900.	4.5	68
31	In-situ local temperature measurement during three-dimensional direct laser writing. Applied Physics Letters, 2013, 103, .	1.5	66
32	General Synthetic Strategy for Libraries of Supported Multicomponent Metal Nanoparticles. ACS Nano, 2018, 12, 4594-4604.	7.3	66
33	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
34	High-Quality ZnS Shells for CdSe Nanoparticles:â€‰ Rapid Microwave Synthesis. Langmuir, 2007, 23, 7751-7759.	1.6	59
35	A highly efficient ligand exchange reaction on gold nanoparticles: preserving their size, shape and colloidal stability. RSC Advances, 2014, 4, 34217-34220.	1.7	58
36	Copperâ€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

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37	Silica Encapsulation of Hydrophobically Ligated PbSe Nanocrystals. Langmuir, 2006, 22, 4371-4375.	1.6	56
38	Deposition Methods of Graphene as Electrode Material for Organic Solar Cells. Advanced Energy Materials, 2017, 7, 1601393.	10.2	56
39	Silicon diatom frustules as nanostructured photoelectrodes. Chemical Communications, 2014, 50, 10441.	2.2	55
40	Silica coated, water dispersible and photoluminescent Y (V,P)O4:Eu3+,Bi3+nanophosphors. Nanotechnology, 2006, 17, 4168-4173.	1.3	54
41	Polyethyleneimine for copper absorption II: kinetics, selectivity and efficiency from seawater. RSC Advances, 2015, 5, 51883-51890.	1.7	54
42	Highly efficient electrocatalytic hydrogen evolution promoted by Oâ€“Moâ€“C interfaces of ultrafine Î²-Mo₂C nanostructures. Chemical Science, 2020, 11, 3523-3530.	3.7	54
43	Fluorescence Lifetime Multiplexing with Nanocrystals and Organic Labels. Analytical Chemistry, 2009, 81, 7807-7813.	3.2	52
44	Synthesis and Spectroscopic Investigations of Cu- and Pb-Doped Colloidal ZnS Nanocrystals. Journal of Physical Chemistry B, 2006, 110, 23175-23178.	1.2	49
45	NiO Nanofibers as a Candidate for a Nanophotocathode. Nanomaterials, 2014, 4, 256-266.	1.9	49
46	Acetamide: a low-cost alternative to alkyl imidazolium chlorides for aluminium-ion batteries. Chemical Communications, 2018, 54, 11725-11728.	2.2	48
47	Heterogeneity in the fluorescence of graphene and graphene oxide quantum dots. Mikrochimica Acta, 2017, 184, 871-878.	2.5	47
48	Deep level defect luminescence in cadmium selenide nano-crystals films. Journal of Crystal Growth, 2005, 280, 502-508.	0.7	45
49	Nanostructured silicon photoelectrodes for solar water electrolysis. Nano Energy, 2015, 17, 308-322.	8.2	45
50	Monodisperse CdSe Nanorods at Low Temperatures. Chemistry - A European Journal, 2002, 8, 4791-4795.	1.7	44
51	Hexagonal CdTe nanoparticles of various morphologies. Chemical Communications, 2003, , 2478.	2.2	44
52	Visualizing the Self-Assembly of Tubulin with Luminescent Nanorods. Journal of Nanoscience and Nanotechnology, 2003, 3, 380-385.	0.9	44
53	One-pot synthesis of YF3@silica core/shell nanoparticles. Chemical Communications, 2006, , 776.	2.2	44
54	Quantitative Analysis of Cadmium Selenide Nanocrystal Concentration by Comparative Techniques. Analytical Chemistry, 2007, 79, 8987-8993.	3.2	43

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55	A TiO₂ Nanofiberâ€“Carbon Nanotubeâ€Composite Photoanode for Improved Efficiency in Dyeâ€Sensitized Solar Cells. ChemSusChem, 2015, 8, 3396-3400.	3.6	43
56	Simulation in electrochemistry using the finite element method part 2: scanning electrochemical microscopy. Electrochimica Acta, 2003, 48, 3975-3980.	2.6	42
57	Synthesis and Spectroscopic Characterization of Fluorescent Blueâ€Emitting Ultrastable CdSe Clusters. Small, 2008, 4, 883-887.	5.2	42
58	Auâ€“silica nanoparticles by â€œreverseâ€•synthesis of cores in hollow silica shells. Chemical Communications, 2007, , 2031-2033.	2.2	41
59	Silica coated quantum dots: a new tool for electrochemical and optical glucose detection. Mikrochimica Acta, 2008, 160, 375-383.	2.5	41
60	Charge transfer mechanism in hybrid bulk heterojunction composites. Journal of Chemical Physics, 2004, 120, 1500-1505.	1.2	40
61	Three-dimensional micro-printing of temperature sensors based on up-conversion luminescence. Applied Physics Letters, 2015, 106, .	1.5	39
62	Synthesis and Structural Metastability of CdTe Nanowires. Chemistry - A European Journal, 2005, 11, 2220-2224.	1.7	38
63	On the Use of pH Titration to Quantitatively Characterize Colloidal Nanoparticles. Langmuir, 2012, 28, 15141-15149.	1.6	38
64	A quantum dot sensitized catalytic porous silicon photocathode. Journal of Materials Chemistry A, 2014, 2, 9478-9481.	5.2	38
65	Gas-sensing properties of p-type Î±-Fe2O3 polyhedral particles synthesized via a modified polyol method. RSC Advances, 2014, 4, 8250.	1.7	38
66	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. Mikrochimica Acta, 2018, 185, 128.	2.5	38
67	Electrophoretic properties of BSA-coated quantum dots. Analytical and Bioanalytical Chemistry, 2010, 396, 1087-1094.	1.9	36
68	Nanoparticles in Photodynamic Therapy. Nano Biomedicine and Engineering, 2011, 3, .	0.3	36
69	Unraveling aminophosphine redox mechanisms for glovebox-free InP quantum dot syntheses. Nanoscale, 2018, 10, 8752-8762.	2.8	36
70	Electrochemical determination of mesoscopic phenomena, defect states in CdSe nanocrystals and charge carrier manipulability. Mikrochimica Acta, 2008, 160, 299-308.	2.5	35
71	CuInS₂/ZnS nanocrystals as sensitisers for NiO photocathodes. Journal of Materials Chemistry A, 2015, 3, 13324-13331.	5.2	35
72	Size and shape evolution of upconverting nanoparticles using microwave assisted synthesis. CrystEngComm, 2010, 12, 1993.	1.3	34

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73	Calibration-free concentration determination of charged colloidal nanoparticles and determination of effective charges by capillary isotachophoresis. Analytical and Bioanalytical Chemistry, 2009, 395, 1681-1691.	1.9	33
74	A facile method for coding and labeling assays on polystyrene beads with differently colored luminescent nanocrystals. Analytical and Bioanalytical Chemistry, 2006, 384, 645-650.	1.9	32
75	Electrophoretic analysis of gold nanoparticles: size-dependent electrophoretic mobility of nanoparticles. IET Nanobiotechnology, 2006, 153, 47.	2.1	32
76	Fluorescence Lifetime Analysis of Graphene Quantum Dots. Journal of Physical Chemistry C, 2014, 118, 30282-30290.	1.5	31
77	Blue shift of CdSe/ZnS nanocrystal-labels upon DNA-hybridization. Journal of Nanobiotechnology, 2008, 6, 7.	4.2	30
78	Controlled synthesis and characterization of iron oxide nanostructures with potential applications for gas sensors and the environment. RSC Advances, 2014, 4, 6383.	1.7	29
79	Green Synthesized Carbon Quantum Dots/Cobalt Sulfide Nanocomposite as Efficient Electrode Material for Supercapacitors. Energy & Fuels, 2021, 35, 9635-9645.	2.5	29
80	Fluorescence-Emission Control of Single CdSe Nanocrystals Using Gold-Modified AFM Tips. Small, 2007, 3, 44-49.	5.2	28
81	An In Vitro Investigation of Cytotoxic Effects of InP/Zns Quantum Dots with Different Surface Chemistries. Nanomaterials, 2019, 9, 135.	1.9	28
82	Photo-doping of plasma-deposited polyaniline (PAni). RSC Advances, 2016, 6, 70691-70699.	1.7	27
83	Platinum Terpyridine Metallopolymer Electrode as Cost-Effective Replacement for Bulk Platinum Catalysts in Oxygen Reduction Reaction and Hydrogen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2017, 5, 10206-10214.	3.2	27
84	Boron-Doped Silicon Diatom Frustules as a Photocathode for Water Splitting. ACS Applied Materials & Interfaces, 2015, 7, 17381-17387.	4.0	26
85	Heterogeneous Charge Transfer of Colloidal Nanocrystals in Ionic Liquids. ChemPhysChem, 2006, 7, 77-81.	1.0	25
86	Monodisperse upconversion GdF3:Yb, Er rhombi by microwave-assisted synthesis. Nanoscale Research Letters, 2011, 6, 267.	3.1	23
87	Mesoporous and defective activated carbon cathode for AlCl4â˜ anion storage in non-aqueous aluminium-ion batteries. Carbon, 2022, 191, 195-204.	5.4	23
88	Direct Immunofluorescence of Plant Microtubules Based on Semiconductor Nanocrystals. Bioconjugate Chemistry, 2007, 18, 1879-1886.	1.8	22
89	Photoresponsive properties of ultrathin silicon nanowires. Applied Physics Letters, 2014, 105, 231116.	1.5	22
90	Cadmium-Free Quantum Dots as Fluorescent Labels for Exosomes. Sensors, 2018, 18, 3308.	2.1	22

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91	Molybdenum Dichalcogenide Cathodes for Aluminumâ€Ion Batteries. Energy Technology, 2020, 8, 2000038.	1.8	22
92	Cation exchange of aqueous CuInS₂ quantum dots. CrystEngComm, 2014, 16, 9455-9460.	1.3	21
93	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
94	Porous silicon nanoparticles as a nanophotocathode for photoelectrochemical water splitting. RSC Advances, 2015, 5, 85978-85982.	1.7	20
95	Quantum Dot Sensitized Photoelectrodes. Nanomaterials, 2011, 1, 79-88.	1.9	19
96	Doping Group IIB Metal Ions into Quantum Dot Shells via the Oneâ€Pot Decomposition of Metalâ€Dithiocarbamates. Advanced Optical Materials, 2015, 3, 704-712.	3.6	19
97	Use of Nanoparticles to Study and Manipulate Plant cells. Advanced Engineering Materials, 2010, 12, B406.	1.6	18
98	Photometric Sensing of Active Chlorine, Total Chlorine, and pH on a Microfluidic Chip for Online Swimming Pool Monitoring. Sensors, 2020, 20, 3099.	2.1	18
99	Monofunctionalization and Dimerization of Nanoparticles Using Coordination Chemistry. ACS Nano, 2015, 9, 1434-1439.	7.3	17
100	Solid-Electrolyte Interphases (SEI) in Nonaqueous Aluminum-Ion Batteries. ACS Applied Energy Materials, 2020, 3, 3673-3683.	2.5	17
101	A Thin Silicaâ€“Polymer Shell for Functionalizing Colloidal Inorganic Nanoparticles. Angewandte Chemie - International Edition, 2011, 50, 10384-10387.	7.2	16
102	Intestinal absorption of fluorescently labeled nanoparticles. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 1169-1178.	1.7	16
103	Synthesis and Phase Transfer of Monodisperse Iron Oxide (Fe3O4) Nanocubes. Australian Journal of Chemistry, 2014, 67, 663.	0.5	15
104	Microfluidic Chip for the Photocatalytic Production of Active Chlorine. Langmuir, 2016, 32, 4952-4958.	1.6	15
105	SWCNT photocathodes sensitised with InP/ZnS coreâ€“shell nanocrystals. Journal of Materials Chemistry C, 2016, 4, 3379-3384.	2.7	15
106	Suppressed self-discharge of an aqueous supercapacitor using Earth-abundant materials. Journal of Electroanalytical Chemistry, 2020, 871, 114307.	1.9	15
107	An electrochemical biomimetic ATP-sensor. Sensors and Actuators B: Chemical, 2005, 104, 111-116.	4.0	14
108	Excitation Dependence of Steady-State Photoluminescence in CdSe Nanocrystal Films. Journal of Physical Chemistry B, 2005, 109, 15349-15354.	1.2	14

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109	Charge transfer efficiency in hybrid bulk heterojunction composites. Journal of Chemical Physics, 2004, 121, 1074-1079.	1.2	13
110	CuInS2/ZnS QD-ferroelectric liquid crystal mixtures for faster electro-optical devices and their energy storage aspects. Journal of Applied Physics, 2018, 123, .	1.1	13
111	Electrospun Composites of Polycaprolactone and Porous Silicon Nanoparticles for the Tunable Delivery of Small Therapeutic Molecules. Nanomaterials, 2018, 8, 205.	1.9	13
112	High Voltage Carbonâ€Based Cathodes for Nonâ€Aqueous Aluminiumâ€Ion Batteries**. ChemElectroChem, 2021, 8, 492-499.	1.7	13
113	Silicon Nanowire Photocathodes for Photoelectrochemical Hydrogen Production. Nanomaterials, 2016, 6, 144.	1.9	12
114	Editorial Announcement. Nanomaterials, 2018, 8, 12.	1.9	12
115	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
116	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
117	Nanostructured pâ€“n Junctions for Printable Photovoltaics. MRS Bulletin, 2004, 29, 43-47.	1.7	11
118	Another Journal on Nanomaterials?. Nanomaterials, 2011, 1, 1-2.	1.9	11
119	Disperse-and-Collect Approach for the Type-Selective Detection of Matrix Metalloproteinases in Porous Silicon Resonant Microcavities. ACS Sensors, 2017, 2, 203-209.	4.0	11
120	Electrochemical metallization of self-assembled porphyrin monolayers. Analytical and Bioanalytical Chemistry, 2002, 373, 749-753.	1.9	10
121	Selective assembly of Au-Fe3O4 nanoparticle hetero-dimers. Mikrochimica Acta, 2015, 182, 2293-2298.	2.5	10
122	Synthesis and electrochemical properties of InP nanocrystals. Journal of Materials Research, 2006, 21, 543-546.	1.2	9
123	Upconverting Nanoparticles. Springer Series on Fluorescence, 2010, , 115-132.	0.8	9
124	Investigation of porous silicon photocathodes for photoelectrochemical hydrogen production. International Journal of Hydrogen Energy, 2016, 41, 19915-19920.	3.8	8
125	Rapid synthesis of defective and composition-controlled metal chalcogenide nanosheets by supercritical hydrothermal processing. Nanoscale Advances, 2019, 1, 3383-3387.	2.2	8
126	Copper Metallopolymer Catalyst for the Electrocatalytic Hydrogen Evolution Reaction (HER). Polymers, 2019, 11, 110.	2.0	8

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127	A C/V₂O₅ core-sheath nanofibrous cathode with mixed-ion intercalation for aluminium-ion batteries. Nano Express, 2020, 1, 010016.	1.2	8
128	Deposition of hydroquinone-thiosulfate on gold by means of anodic oxidation. Journal of Electroanalytical Chemistry, 2001, 505, 125-132.	1.9	7
129	ISOTACHOPHORETIC MEASUREMENTS OF LUMINESCENT SEMICONDUCTOR NANOCRYSTALS. Biophysical Reviews and Letters, 2007, 02, 99-108.	0.9	7
130	Acoustically Levitated Droplets. Annals of the New York Academy of Sciences, 2008, 1130, 78-84.	1.8	7
131	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
132	A 2.7â€…V Aqueous Supercapacitor Using a Microemulsion Electrolyte**. Batteries and Supercaps, 2021, 4, 1122-1125.	2.4	7
133	Synthesis of CuCo2S4 nanoparticles assembled in micro-sized hollow spheres composed with polyaniline: An effective electrode material for supercapacitors. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 276, 115578.	1.7	7
134	InP/ZnS Nanocrystals as Fluorescent Probes for the Detection of ATP. Nanomaterials and Nanotechnology, 2014, 4, 15.	1.2	6
135	Rapid microwave assisted synthesis of nearly monodisperse aqueous CuInS₂/ZnS nanocrystals. CrystEngComm, 2015, 17, 7820-7823.	1.3	6
136	Comparison of selenophene and thienothiophene incorporation into pentacyclic lactam-based conjugated polymers for organic solar cells. Polymer Chemistry, 2015, 6, 7402-7409.	1.9	6
137	Conducting Copper(I/II)-Metallopolymer for the Electrocatalytic Oxygen Reduction Reaction (ORR) with High Kinetic Current Density. Polymers, 2018, 10, 1002.	2.0	6
138	Novel devices for isolation and detection of bacterial and mammalian extracellular vesicles. Mikrochimica Acta, 2021, 188, 139.	2.5	6
139	Quantum confinement of the thermodynamic functions for the formation of electrons and holes in CdSe nanocrystals. Journal of Applied Physics, 2006, 100, 074314.	1.1	5
140	In Vivo Applications of Inorganic Nanoparticles. , 2011, , 185-220.		5
141	InP nanowires from surfactant-free thermolysis of single molecule precursors. Dalton Transactions, 2012, 41, 7244.	1.6	5
142	The Power of Heterogeneity: Parameter Relationships from Distributions. PLoS ONE, 2016, 11, e0155718.	1.1	5
143	Electroactive Polyhydroquinone Coatings for Marine Fouling Preventionâ€”A Rejected Dynamic pH Hypothesis and a Deceiving Artifact in Electrochemical Antifouling Testing. ACS Omega, 2017, 2, 4751-4759.	1.6	5
144	Glucose Sensor Using Redox Active Oligonucleotide-Templated Silver Nanoclusters. Nanomaterials, 2019, 9, 1065.	1.9	5

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145	Improved uniaxial dielectric properties in aligned diisopropylammonium bromide (DIPAB) doped poly(vinylidene difluoride) (PVDF) nanofibers. RSC Advances, 2019, 9, 31233-31240.	1.7	5
146	Size-controlled, high optical quality ZnO nanowires grown using colloidal Au nanoparticles and ultra-small cluster catalysts. APL Materials, 2019, 7, 022518.	2.2	5
147	Apparatus for the investigation of high-temperature, high-pressure gas-phase heterogeneous catalytic and photo-catalytic materials. Review of Scientific Instruments, 2017, 88, 054101.	0.6	4
148	Isotachophoretic measurements of luminescent semiconductor nanocrystals. International Journal of Nanotechnology, 2007, 4, 298.	0.1	3
149	A Theoretical Framework for the Electrochemical Characterization of Anisotropic Microâ€Emulsions**. ChemElectroChem, 2021, 8, 3397-3409.	1.7	3
150	Unraveling the multivalent aluminium-ion redox mechanism in 3,4,9,10-perylenetetracarboxylic dianhydride (PTCDA). Physical Chemistry Chemical Physics, 2022, 24, 5886-5893.	1.3	3
151	Quantum dots with silica shells. , 2005, 5705, 77.		2
152	Parallelization of chip-based fluorescence immuno-assays with quantum-dot labelled beads. , 0, , .		2
153	(Primarily semiconducting) nanocrystals: from fundamental research to electro-optical devices and biosensors. Mikrochimica Acta, 2008, 160, 297-298.	2.5	2
154	Synthesis and exploitation of InP/ZnS quantum dots for bioimaging. , 2009, , .		2
155	Electrospinning of Photocatalytic Electrodes for Dye-sensitized Solar Cells. Journal of Visualized Experiments, 2017, , .	0.2	2
156	{Ni4O4} Cluster Complex to Enhance the Reductive Photocurrent Response on Silicon Nanowire Photocathodes. Nanomaterials, 2017, 7, 33.	1.9	2
157	Electrospun, Oriented, Ferromagnetic Ni1-xFex Nanofibers. Frontiers in Chemistry, 2020, 8, 47.	1.8	2
158	Graphite-Mediated Microwave-Exfoliated Graphene Fluoride as Supercapacitor Electrodes. Nanomaterials, 2022, 12, 1796.	1.9	2
159	Semiconductor nanoparticles: new building blocks for polymer-microelectronics?. , 0, , .		1
160	Combined TIRF-AFM setup: controlled quenching of individual quantum dots. , 2006, , .		1
161	A TiO2Nanofiber-Carbon Nanotube-Composite Photoanode for Improved Efficiency in Dye-Sensitized Solar Cells. ChemSusChem, 2015, 8, 3351-3351.	3.6	1
162	Colloidal quantum dots in high-Q pillar microcavities. , 2007, , .		0

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163	Colloidal Quantum Dots in High-Q Pillar Microcavities. , 2007, , .		0
164	Development of Receptor Based Affinity Microassay. , 2001, , 366-369.		0
165	In-Situ Local Temperature Measurement During Three-Dimensional Direct Laser Writing. , 2013, , .		0
166	3D Micro-printing of Optical Temperature Probes. NATO Science for Peace and Security Series B: Physics and Biophysics, 2017, , 475-475.	0.2	0