

Thomas Nann

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162
papers

10,551
citations

44
h-index

100
g-index

181
ext. papers

11,427
ext. citations

6.3
avg, IF

6.54
L-index

#	Paper	IF	Citations
162	Quantum dots versus organic dyes as fluorescent labels. <i>Nature Methods</i> , 2008 , 5, 763-75	21.6	2913
161	Graphene Quantum Dots. <i>Particle and Particle Systems Characterization</i> , 2014 , 31, 415-428	3.1	616
160	Plasmon-enhanced upconversion in single NaYF ₄ :Yb ³⁺ /Er ³⁺ codoped nanocrystals. <i>Nano Letters</i> , 2010 , 10, 134-8	11.5	410
159	Shape control of II-VI semiconductor nanomaterials. <i>Small</i> , 2006 , 2, 316-29	11	335
158	Single Quantum Dots in Silica Spheres by Microemulsion Synthesis. <i>Chemistry of Materials</i> , 2005 , 17, 5720-5725	320	
157	A four-color colloidal multiplexing nanoparticle system. <i>ACS Nano</i> , 2008 , 2, 120-4	16.7	298
156	Silica-Coated InP/ZnS Nanocrystals as Converter Material in White LEDs. <i>Advanced Materials</i> , 2008 , 20, 4068-4073	24	255
155	Rapid synthesis of highly luminescent InP and InP/ZnS nanocrystals. <i>Journal of Materials Chemistry</i> , 2008 , 18, 2653		245
154	Determination of quantum confinement in CdSe nanocrystals by cyclic voltammetry. <i>Journal of Chemical Physics</i> , 2003 , 119, 2333-2337	3.9	241
153	Single quantum dots in spherical silica particles. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 5393-6	16.4	233
152	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, 11872-81	16.4	185
151	Monodisperse upconverting nanocrystals by microwave-assisted synthesis. <i>ACS Nano</i> , 2009 , 3, 3804-8	16.7	177
150	Water splitting by visible light: a nanophotocathode for hydrogen production. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 1574-7	16.4	177
149	Rapid synthesis of high-quality InP nanocrystals. <i>Journal of the American Chemical Society</i> , 2006 , 128, 1054-5	16.4	163
148	Trends in Aluminium-Based Intercalation Batteries. <i>Advanced Energy Materials</i> , 2017 , 7, 1602093	21.8	139
147	Phase-transfer of CdSe@ZnS quantum dots using amphiphilic hyperbranched polyethylenimine. <i>Chemical Communications</i> , 2005 , 1735-6	5.8	126
146	"Exosomics"-A Review of Biophysics, Biology and Biochemistry of Exosomes With a Focus on Human Breast Milk. <i>Frontiers in Genetics</i> , 2018 , 9, 92	4.5	97

145	Application of luminescent nanocrystals as labels for biological molecules. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 379, 913-9	4.4	97
144	Graphene Quantum Dots for Theranostics and Bioimaging. <i>Pharmaceutical Research</i> , 2016 , 33, 2337-57	4.5	97
143	First solar cells based on CdTe nanoparticle/MEH-PPV composites. <i>Journal of Materials Research</i> , 2004 , 19, 1990-1994	2.5	81
142	Determination of defect states in semiconductor nanocrystals by cyclic voltammetry. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 20355-60	3.4	73
141	Origin of permanent electric dipole moments in wurtzite nanocrystals. <i>Chemical Physics Letters</i> , 2004 , 384, 150-152	2.5	70
140	Hollow Silica Nanospheres: In situ, Semi-In situ, and Two-Step Synthesis. <i>Chemistry of Materials</i> , 2007 , 19, 1700-1703	9.6	67
139	Read-out concepts for multiplexed bead-based fluorescence immunoassays on centrifugal microfluidic platforms. <i>Sensors and Actuators A: Physical</i> , 2006 , 126, 455-462	3.9	67
138	Carbon Nanotubes in TiO Nanofiber Photoelectrodes for High-Performance Perovskite Solar Cells. <i>Advanced Science</i> , 2017 , 4, 1600504	13.6	65
137	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, 235-41	6.5	65
136	Quantum dots for electro-optic devices. <i>ACS Nano</i> , 2011 , 5, 5291-5	16.7	64
135	Simulation in electrochemistry using the finite element method: Part 1: The algorithm. <i>Electrochemistry Communications</i> , 1999 , 1, 289-294	5.1	61
134	High-quality ZnS shells for CdSe nanoparticles: rapid microwave synthesis. <i>Langmuir</i> , 2007 , 23, 7751-9	4	56
133	Insights into the Mechanism of Quantum Dot-Sensitized Singlet Oxygen Production for Photodynamic Therapy. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 9334-9342	3.8	55
132	In-situ local temperature measurement during three-dimensional direct laser writing. <i>Applied Physics Letters</i> , 2013 , 103, 123107	3.4	53
131	Silica coated, water dispersible and photoluminescent Y (V,P)O(4):Eu(3+),Bi(3+) nanophosphors. <i>Nanotechnology</i> , 2006 , 17, 4168-73	3.4	53
130	General Synthetic Strategy for Libraries of Supported Multicomponent Metal Nanoparticles. <i>ACS Nano</i> , 2018 , 12, 4594-4604	16.7	52
129	Copper-doped CdSe/ZnS quantum dots: controllable photoactivated copper(I) cation storage and release vectors for catalysis. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 1598-601	16.4	52
128	Silica encapsulation of hydrophobically ligated PbSe nanocrystals. <i>Langmuir</i> , 2006 , 22, 4371-5	4	52

127	Silicon diatom frustules as nanostructured photoelectrodes. <i>Chemical Communications</i> , 2014 , 50, 10441-48	5.0	50
126	Colloidal quantum dots in all-dielectric high-Q pillar microcavities. <i>Nano Letters</i> , 2007 , 7, 2897-900	11.5	50
125	A highly efficient ligand exchange reaction on gold nanoparticles: preserving their size, shape and colloidal stability. <i>RSC Advances</i> , 2014 , 4, 34217-34220	3.7	47
124	Fluorescence lifetime multiplexing with nanocrystals and organic labels. <i>Analytical Chemistry</i> , 2009 , 81, 7807-13	7.8	47
123	Synthesis and spectroscopic investigations of Cu- and Pb-doped colloidal ZnS nanocrystals. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 23175-8	3.4	47
122	Deposition Methods of Graphene as Electrode Material for Organic Solar Cells. <i>Advanced Energy Materials</i> , 2017 , 7, 1601393	21.8	45
121	Polyethyleneimine for copper absorption II: kinetics, selectivity and efficiency from seawater. <i>RSC Advances</i> , 2015 , 5, 51883-51890	3.7	44
120	NiO Nanofibers as a Candidate for a Nanophotocathode. <i>Nanomaterials</i> , 2014 , 4, 256-266	5.4	44
119	Hexagonal CdTe nanoparticles of various morphologies. <i>Chemical Communications</i> , 2003 , 2478-9	5.8	41
118	On battery materials and methods. <i>Materials Today Advances</i> , 2020 , 6, 100046	7.4	40
117	A TiO ₂ Nanofiber-Carbon Nanotube-Composite Photoanode for Improved Efficiency in Dye-Sensitized Solar Cells. <i>ChemSusChem</i> , 2015 , 8, 3396-400	8.3	40
116	Au-silica nanoparticles by "reverse" synthesis of cores in hollow silica shells. <i>Chemical Communications</i> , 2007 , 2031-3	5.8	40
115	Synthesis and spectroscopic characterization of fluorescent blue-emitting ultrastable CdSe clusters. <i>Small</i> , 2008 , 4, 883-7	11	40
114	Visualizing the self-assembly of tubulin with luminescent nanorods. <i>Journal of Nanoscience and Nanotechnology</i> , 2003 , 3, 380-5	1.3	40
113	Deep level defect luminescence in cadmium selenide nano-crystals films. <i>Journal of Crystal Growth</i> , 2005 , 280, 502-508	1.6	40
112	One-pot synthesis of YF ₃ @silica core/shell nanoparticles. <i>Chemical Communications</i> , 2006 , 776-8	5.8	39
111	Monodisperse CdSe nanorods at low temperatures. <i>Chemistry - A European Journal</i> , 2002 , 8, 4791-5	4.8	39
110	Simulation in electrochemistry using the finite element method part 2: scanning electrochemical microscopy. <i>Electrochimica Acta</i> , 2003 , 48, 3975-3980	6.7	39

109	Charge transfer mechanism in hybrid bulk heterojunction composites. <i>Journal of Chemical Physics</i> , 2004 , 120, 1500-5	3.9	39
108	A quantum dot sensitized catalytic porous silicon photocathode. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 9478-9481	13	35
107	Quantitative analysis of cadmium selenide nanocrystal concentration by comparative techniques. <i>Analytical Chemistry</i> , 2007 , 79, 8987-93	7.8	35
106	Einzelne Quantenpunkte in Siliciumdioxid-Kugeln. <i>Angewandte Chemie</i> , 2004 , 116, 5511-5514	3.6	35
105	Acetamide: a low-cost alternative to alkyl imidazolium chlorides for aluminium-ion batteries. <i>Chemical Communications</i> , 2018 , 54, 11725-11728	5.8	35
104	Nanostructured silicon photoelectrodes for solar water electrolysis. <i>Nano Energy</i> , 2015 , 17, 308-322	17.1	34
103	Gas-sensing properties of p-type Fe ₂ O ₃ polyhedral particles synthesized via a modified polyol method. <i>RSC Advances</i> , 2014 , 4, 8250	3.7	34
102	On the use of pH titration to quantitatively characterize colloidal nanoparticles. <i>Langmuir</i> , 2012 , 28, 15141-9		34
101	Electrophoretic properties of BSA-coated quantum dots. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 396, 1087-94	4.4	34
100	Silica coated quantum dots: a new tool for electrochemical and optical glucose detection. <i>Mikrochimica Acta</i> , 2008 , 160, 375-383	5.8	34
99	Heterogeneity in the fluorescence of graphene and graphene oxide quantum dots. <i>Mikrochimica Acta</i> , 2017 , 184, 871-878	5.8	33
98	Three-dimensional micro-printing of temperature sensors based on up-conversion luminescence. <i>Applied Physics Letters</i> , 2015 , 106, 133103	3.4	33
97	Calibration-free concentration determination of charged colloidal nanoparticles and determination of effective charges by capillary isotachopheresis. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 395, 1681-91	4.4	32
96	Electrochemical determination of mesoscopic phenomena, defect states in CdSe nanocrystals and charge carrier manipulability. <i>Mikrochimica Acta</i> , 2008 , 160, 299-308	5.8	32
95	Electrophoretic analysis of gold nanoparticles: size-dependent electrophoretic mobility of nanoparticles. <i>IET Nanobiotechnology</i> , 2006 , 153, 47-53		32
94	Synthesis and structural metastability of CdTe nanowires. <i>Chemistry - A European Journal</i> , 2005 , 11, 2220-48	4.8	32
93	CuInS ₂ /ZnS nanocrystals as sensitizers for NiO photocathodes. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 13324-13331	13	31
92	Nanoparticles in Photodynamic Therapy. <i>Nano Biomedicine and Engineering</i> , 2011 , 3,	2.9	31

91	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	5.8	30
90	Highly efficient electrocatalytic hydrogen evolution promoted by O-Mo-C interfaces of ultrafine EMoC nanostructures. <i>Chemical Science</i> , 2020 , 11, 3523-3530	9.4	29
89	Spaltung von Wasser durch sichtbares Licht: eine Nanophotokathode für die Produktion von Wasserstoff. <i>Angewandte Chemie</i> , 2010 , 122, 1618-1622	3.6	29
88	A facile method for coding and labeling assays on polystyrene beads with differently colored luminescent nanocrystals. <i>Analytical and Bioanalytical Chemistry</i> , 2006 , 384, 645-50	4.4	29
87	Fluorescence-emission control of single CdSe nanocrystals using gold-modified AFM tips. <i>Small</i> , 2007 , 3, 44-9	11	28
86	Size and shape evolution of upconverting nanoparticles using microwave assisted synthesis. <i>CrystEngComm</i> , 2010 , 12, 1993	3.3	27
85	Fluorescence Lifetime Analysis of Graphene Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 30282-30290	3.8	26
84	Boron-Doped Silicon Diatom Frustules as a Photocathode for Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 17381-7	9.5	25
83	Unraveling aminophosphine redox mechanisms for glovebox-free InP quantum dot syntheses. <i>Nanoscale</i> , 2018 , 10, 8752-8762	7.7	25
82	Controlled synthesis and characterization of iron oxide nanostructures with potential applications for gas sensors and the environment. <i>RSC Advances</i> , 2014 , 4, 6383	3.7	25
81	Blue shift of CdSe/ZnS nanocrystal-labels upon DNA-hybridization. <i>Journal of Nanobiotechnology</i> , 2008 , 6, 7	9.4	24
80	Heterogeneous charge transfer of colloidal nanocrystals in ionic liquids. <i>ChemPhysChem</i> , 2006 , 7, 77-81	3.2	24
79	Photo-doping of plasma-deposited polyaniline (PAni). <i>RSC Advances</i> , 2016 , 6, 70691-70699	3.7	23
78	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	8.3	21
77	Monodisperse upconversion GdF ₃ :Yb, Er rhombi by microwave-assisted synthesis. <i>Nanoscale Research Letters</i> , 2011 , 6, 267	5	21
76	Direct immunofluorescence of plant microtubules based on semiconductor nanocrystals. <i>Bioconjugate Chemistry</i> , 2007 , 18, 1879-86	6.3	21
75	An In Vitro Investigation of Cytotoxic Effects of InP/Zns Quantum Dots with Different Surface Chemistries. <i>Nanomaterials</i> , 2019 , 9,	5.4	20
74	Cadmium-Free Quantum Dots as Fluorescent Labels for Exosomes. <i>Sensors</i> , 2018 , 18,	3.8	20

73	Cation exchange of aqueous CuInS ₂ quantum dots. <i>CrystEngComm</i> , 2014 , 16, 9455-9460	3.3	19
72	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	8.1	18
71	Photoresponsive properties of ultrathin silicon nanowires. <i>Applied Physics Letters</i> , 2014 , 105, 231116	3.4	18
70	Quantum Dot Sensitized Photoelectrodes. <i>Nanomaterials</i> , 2011 , 1, 79-88	5.4	18
69	Organometallic synthesis and electrophoretic characterization of high-quality ZnS:Mn/ZnS core/shell nanoparticles for bioanalytical applications. <i>Mikrochimica Acta</i> , 2008 , 160, 351-356	5.8	18
68	Monofunctionalization and dimerization of nanoparticles using coordination chemistry. <i>ACS Nano</i> , 2015 , 9, 1434-9	16.7	17
67	Porous silicon nanoparticles as a nanophotocathode for photoelectrochemical water splitting. <i>RSC Advances</i> , 2015 , 5, 85978-85982	3.7	16
66	A thin silica-polymer shell for functionalizing colloidal inorganic nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 10384-7	16.4	16
65	Use of Nanoparticles to Study and Manipulate Plant cells. <i>Advanced Engineering Materials</i> , 2010 , 12, B406-B412	9.5	16
64	SWCNT photocathodes sensitised with InP/ZnS core/shell nanocrystals. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 3379-3384	7.1	14
63	Intestinal absorption of fluorescently labeled nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 1169-78	6	14
62	Microfluidic Chip for the Photocatalytic Production of Active Chlorine. <i>Langmuir</i> , 2016 , 32, 4952-8	4	14
61	Excitation dependence of steady-state photoluminescence in CdSe nanocrystal films. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 15349-54	3.4	13
60	Charge transfer efficiency in hybrid bulk heterojunction composites. <i>Journal of Chemical Physics</i> , 2004 , 121, 1074-9	3.9	13
59	An electrochemical biomimetic ATP-sensor. <i>Sensors and Actuators B: Chemical</i> , 2005 , 104, 111-116	8.5	13
58	Molybdenum Dichalcogenide Cathodes for Aluminum-Ion Batteries. <i>Energy Technology</i> , 2020 , 8, 2000038	9.5	12
57	Electrospun Composites of Polycaprolactone and Porous Silicon Nanoparticles for the Tunable Delivery of Small Therapeutic Molecules. <i>Nanomaterials</i> , 2018 , 8,	5.4	12
56	Synthesis and Phase Transfer of Monodisperse Iron Oxide (Fe ₃ O ₄) Nanocubes. <i>Australian Journal of Chemistry</i> , 2014 , 67, 663	1.2	12

55	A new dynamic hydrogen reference electrode for applications in thin-film sensor systems. <i>Sensors and Actuators B: Chemical</i> , 2000 , 70, 188-195	8.5	11
54	Selective assembly of Au-FeO nanoparticle hetero-dimers. <i>Mikrochimica Acta</i> , 2015 , 182, 2293-2298	5.8	10
53	Nanostructured p-n Junctions for Printable Photovoltaics. <i>MRS Bulletin</i> , 2004 , 29, 43-47	3.2	10
52	Optical and Surface Characterisation of Capping Ligands in the Preparation of InP/ZnS Quantum Dots. <i>Science of Advanced Materials</i> , 2009 , 1, 125-137	2.3	10
51	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	9.2	9
50	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, 034101	2.5	9
49	Synthesis and electrochemical properties of InP nanocrystals. <i>Journal of Materials Research</i> , 2006 , 21, 543-546	2.5	9
48	Electrochemical metallization of self-assembled porphyrin monolayers. <i>Analytical and Bioanalytical Chemistry</i> , 2002 , 373, 749-53	4.4	9
47	Photometric Sensing of Active Chlorine, Total Chlorine, and pH on a Microfluidic Chip for Online Swimming Pool Monitoring. <i>Sensors</i> , 2020 , 20,	3.8	8
46	Upconverting Nanoparticles. <i>Springer Series on Fluorescence</i> , 2010 , 115-132	0.5	8
45	Solid-Electrolyte Interphases (SEI) in Nonaqueous Aluminum-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 3673-3683	6.1	7
44	Investigation of porous silicon photocathodes for photoelectrochemical hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 19915-19920	6.7	7
43	Rapid synthesis of defective and composition-controlled metal chalcogenide nanosheets by supercritical hydrothermal processing. <i>Nanoscale Advances</i> , 2019 , 1, 3383-3387	5.1	7
42	Nanocrystals and Nanoparticles Versus Molecular Fluorescent Labels as Reporters for Bioanalysis and the Life Sciences: A Critical Comparison. <i>Springer Series on Fluorescence</i> , 2010 , 3-40	0.5	7
41	ISOTACHOPHORETIC MEASUREMENTS OF LUMINESCENT SEMICONDUCTOR NANOCRYSTALS. <i>Biophysical Reviews and Letters</i> , 2007 , 02, 99-108	1.2	7
40	Deposition of hydroquinone-thiosulfate on gold by means of anodic oxidation. <i>Journal of Electroanalytical Chemistry</i> , 2001 , 505, 125-132	4.1	7
39	Silicon Nanowire Photocathodes for Photoelectrochemical Hydrogen Production. <i>Nanomaterials</i> , 2016 , 6,	5.4	7
38	Rapid microwave assisted synthesis of nearly monodisperse aqueous CuInS ₂ /ZnS nanocrystals. <i>CrystEngComm</i> , 2015 , 17, 7820-7823	3.3	6

37	Acoustically levitated droplets: a contactless sampling method for fluorescence studies. <i>Annals of the New York Academy of Sciences</i> , 2008 , 1130, 78-84	6.5	6
36	Copper Metallopolymer Catalyst for the Electrocatalytic Hydrogen Evolution Reaction (HER). <i>Polymers</i> , 2019 , 11,	4.5	5
35	A C/V2O5 core-sheath nanofibrous cathode with mixed-ion intercalation for aluminium-ion batteries. <i>Nano Express</i> , 2020 , 1, 010016	2	5
34	Suppressed self-discharge of an aqueous supercapacitor using Earth-abundant materials. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 871, 114307	4.1	5
33	Glucose Sensor Using Redox Active Oligonucleotide-Templated Silver Nanoclusters. <i>Nanomaterials</i> , 2019 , 9,	5.4	5
32	InP/ZnS Nanocrystals as Fluorescent Probes for the Detection of ATP. <i>Nanomaterials and Nanotechnology</i> , 2014 , 4, 15	2.9	5
31	InP nanowires from surfactant-free thermolysis of single molecule precursors. <i>Dalton Transactions</i> , 2012 , 41, 7244-8	4.3	5
30	In Vivo Applications of Inorganic Nanoparticles 2011 , 185-220		5
29	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	2.5	5
28	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	1.7	4
27	Comparison of selenophene and thienothiophene incorporation into pentacyclic lactam-based conjugated polymers for organic solar cells. <i>Polymer Chemistry</i> , 2015 , 6, 7402-7409	4.9	4
26	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	2.9	4
25	A 2.7 V Aqueous Supercapacitor Using a Microemulsion Electrolyte**. <i>Batteries and Supercaps</i> , 2021 , 4, 1122-1125	5.6	4
24	Green Synthesized Carbon Quantum Dots/Cobalt Sulfide Nanocomposite as Efficient Electrode Material for Supercapacitors. <i>Energy & Fuels</i> , 2021 , 35, 9635-9645	4.1	4
23	The Power of Heterogeneity: Parameter Relationships from Distributions. <i>PLoS ONE</i> , 2016 , 11, e0155718	3.7	4
22	Improved uniaxial dielectric properties in aligned diisopropylammonium bromide (DIPAB) doped poly(vinylidene difluoride) (PVDF) nanofibers.. <i>RSC Advances</i> , 2019 , 9, 31233-31240	3.7	4
21	Size-controlled, high optical quality ZnO nanowires grown using colloidal Au nanoparticles and ultra-small cluster catalysts. <i>APL Materials</i> , 2019 , 7, 022518	5.7	4
20	Conducting Copper(I/II)-Metallopolymer for the Electrocatalytic Oxygen Reduction Reaction (ORR) with High Kinetic Current Density. <i>Polymers</i> , 2018 , 10,	4.5	4

19	Copper-Doped CdSe/ZnS Quantum Dots: Controllable Photoactivated Copper(I) Cation Storage and Release Vectors for Catalysis. <i>Angewandte Chemie</i> , 2014 , 126, 1624-1627	3.6	3
18	A Thin Silica Polymer Shell for Functionalizing Colloidal Inorganic Nanoparticles. <i>Angewandte Chemie</i> , 2011 , 123, 10568-10571	3.6	3
17	Fundamental Principles of Quantum Dots 2010 , 73		3
16	Isotachophoretic measurements of luminescent semiconductor nanocrystals. <i>International Journal of Nanotechnology</i> , 2007 , 4, 298	1.5	3
15	High Voltage Carbon-Based Cathodes for Non-Aqueous Aluminium-Ion Batteries**. <i>ChemElectroChem</i> , 2021 , 8, 492-499	4.3	3
14	Electrospun, Oriented, Ferromagnetic Ni Fe Nanofibers. <i>Frontiers in Chemistry</i> , 2020 , 8, 47	5	2
13	Electrospinning of Photocatalytic Electrodes for Dye-sensitized Solar Cells. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	2
12	Synthesis and exploitation of InP/ZnS quantum dots for bioimaging 2009 ,		2
11	Mesoporous and defective activated carbon cathode for AlCl ₄ ⁻ anion storage in non-aqueous aluminium-ion batteries. <i>Carbon</i> , 2022 , 191, 195-204	10.4	2
10	Novel devices for isolation and detection of bacterial and mammalian extracellular vesicles. <i>Mikrochimica Acta</i> , 2021 , 188, 139	5.8	2
9	{Ni(D)} Cluster Complex to Enhance the Reductive Photocurrent Response on Silicon Nanowire Photocathodes. <i>Nanomaterials</i> , 2017 , 7,	5.4	1
8	A TiO ₂ Nanofiber Carbon Nanotube-Composite Photoanode for Improved Efficiency in Dye-Sensitized Solar Cells. <i>ChemSusChem</i> , 2015 , 8, 3351-3351	8.3	1
7	Combined TIRF-AFM setup: controlled quenching of individual quantum dots 2006 ,		1
6	Parallelization of chip-based fluorescence immuno-assays with quantum-dot labeled beads		1
5	Quantum dots with silica shells 2005 , 5705, 77		1
4	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	3.1	1
3	Graphite-Mediated Microwave-Exfoliated Graphene Fluoride as Supercapacitor Electrodes. <i>Nanomaterials</i> , 2022 , 12, 1796	5.4	1
2	A Theoretical Framework for the Electrochemical Characterization of Anisotropic Micro-Emulsions**. <i>ChemElectroChem</i> , 2021 , 8, 3397-3409	4.3	0

- 1 Development of Receptor Based Affinity Microassay **2001**, 366-369