

# Uri Banin

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/7993856/uri-banin-publications-by-citations.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

136  
papers

12,558  
citations

49  
h-index

111  
g-index

151  
ext. papers

13,548  
ext. citations

11.6  
avg, IF

6.52  
L-index

#	Paper	IF	Citations
136	Efficient near-infrared polymer nanocrystal light-emitting diodes. <i>Science</i> , <b>2002</b> , 295, 1506-8	33.3	1182
135	Selective growth of metal tips onto semiconductor quantum rods and tetrapods. <i>Science</i> , <b>2004</b> , 304, 1787-90	33.3	996
134	Colloidal hybrid nanostructures: a new type of functional materials. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 4878-97	16.4	668
133	Heavily doped semiconductor nanocrystal quantum dots. <i>Science</i> , <b>2011</b> , 332, 77-81	33.3	582
132	Identification of atomic-like electronic states in indium arsenide nanocrystal quantum dots. <i>Nature</i> , <b>1999</b> , 400, 542-544	50.4	497
131	Formation of asymmetric one-sided metal-tipped semiconductor nanocrystal dots and rods. <i>Nature Materials</i> , <b>2005</b> , 4, 855-863	27	491
130	Visible light-induced charge retention and photocatalysis with hybrid CdSe-Au nanodumbbells. <i>Nano Letters</i> , <b>2008</b> , 8, 637-41	11.5	443
129	Growth and Properties of Semiconductor Core/Shell Nanocrystals with InAs Cores. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 9692-9702	16.4	396
128	Particle size, surface coating, and PEGylation influence the biodistribution of quantum dots in living mice. <i>Small</i> , <b>2009</b> , 5, 126-34	11	368
127	Synthesis and size-dependent properties of zinc-blende semiconductor quantum rods. <i>Nature Materials</i> , <b>2003</b> , 2, 155-8	27	360
126	Synthesis of hybrid CdS-Au colloidal nanostructures. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 25421-9	3.4	289
125	Hybrid Semiconductor/Metal Nanoparticles: From Architecture to Function. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 97-110	9.6	288
124	Synthesis and Properties of CdSe/ZnS Core/Shell Nanorods. <i>Chemistry of Materials</i> , <b>2003</b> , 15, 3955-3960	9.6	223
123	Impulsive excitation of coherent vibrational motion ground surface dynamics induced by intense short pulses. <i>Journal of Chemical Physics</i> , <b>1994</b> , 101, 8461-8481	3.9	205
122	Size-dependent tunneling and optical spectroscopy of CdSe quantum rods. <i>Physical Review Letters</i> , <b>2002</b> , 89, 086801	7.4	190
121	Multiexcitons in type-II colloidal semiconductor quantum dots. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	184
120	Absorption properties of metal-semiconductor hybrid nanoparticles. <i>ACS Nano</i> , <b>2011</b> , 5, 4712-9	16.7	177

119	Au growth on semiconductor nanorods: photoinduced versus thermal growth mechanisms. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 17406-11	16.4	175
118	Highly emissive nano rod-in-rod heterostructures with strong linear polarization. <i>Nano Letters</i> , <b>2011</b> , 11, 2054-60	11.5	170
117	Synthesis of InAs/CdSe/ZnSe core/shell1/shell2 structures with bright and stable near-infrared fluorescence. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 257-64	16.4	165
116	Determination of band offsets in heterostructured colloidal nanorods using scanning tunneling spectroscopy. <i>Nano Letters</i> , <b>2008</b> , 8, 2954-8	11.5	164
115	Ultrafast photodissociation of I3. Coherent photochemistry in solution. <i>Journal of Chemical Physics</i> , <b>1993</b> , 98, 4391-4403	3.9	163
114	Multiexciton engineering in seeded core/shell nanorods: transfer from type-I to quasi-type-II regimes. <i>Nano Letters</i> , <b>2009</b> , 9, 3470-6	11.5	162
113	Optimal metal domain size for photocatalysis with hybrid semiconductor-metal nanorods. <i>Nature Communications</i> , <b>2016</b> , 7, 10413	17.4	150
112	Synthesis and Characterization of InAs/InP and InAs/CdSe Core/Shell Nanocrystals. <i>Angewandte Chemie - International Edition</i> , <b>1999</b> , 38, 3692-3694	16.4	141
111	Tuning energetic levels in nanocrystal quantum dots through surface manipulations. <i>Nano Letters</i> , <b>2008</b> , 8, 678-84	11.5	140
110	Tunneling and optical spectroscopy of semiconductor nanocrystals. <i>Annual Review of Physical Chemistry</i> , <b>2003</b> , 54, 465-92	15.7	131
109	Imaging and spectroscopy of artificial-atom states in core/shell nanocrystal quantum dots. <i>Physical Review Letters</i> , <b>2001</b> , 86, 5751-4	7.4	123
108	Selective Gold Growth on CdSe Seeded CdS Nanorods. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 6900-6902	9.6	122
107	Colloidal Quantum Nanostructures: Emerging Materials for Display Applications. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 4274-4295	16.4	120
106	Hybrid nanoscale inorganic cages. <i>Nature Materials</i> , <b>2010</b> , 9, 810-5	27	119
105	Electric field induced switching of the fluorescence of single semiconductor quantum rods. <i>Nano Letters</i> , <b>2005</b> , 5, 1581-6	11.5	118
104	Band-gap engineering, optoelectronic properties and applications of colloidal heterostructured semiconductor nanorods. <i>Nano Today</i> , <b>2013</b> , 8, 494-513	17.9	114
103	Ultrafast photodissociation of I3 in solution: Direct observation of coherent product vibrations. <i>Journal of Chemical Physics</i> , <b>1992</b> , 96, 2416-2419	3.9	110
102	Effect of surface coating on the photocatalytic function of hybrid CdS-Au nanorods. <i>Small</i> , <b>2015</b> , 11, 4621-11	17.1	108

101	ZnSe quantum dots within CdS nanorods: a seeded-growth type-II system. <i>Small</i> , <b>2008</b> , 4, 1319-23	11	106
100	Ultrafast photoinduced charge separation in metal-semiconductor nanohybrids. <i>ACS Nano</i> , <b>2012</b> , 6, 7034-7037	11.5	98
99	Couples of colloidal semiconductor nanorods formed by self-limited assembly. <i>Nature Materials</i> , <b>2014</b> , 13, 301-7	27	90
98	Photocatalytic Reactive Oxygen Species Formation by Semiconductor-Metal Hybrid Nanoparticles. Toward Light-Induced Modulation of Biological Processes. <i>Nano Letters</i> , <b>2016</b> , 16, 4266-73	11.5	86
97	Semiconductor nanorod-carbon nanotube biomimetic films for wire-free photostimulation of blind retinas. <i>Nano Letters</i> , <b>2014</b> , 14, 6685-92	11.5	83
96	Polarization Properties of Semiconductor Nanorod Heterostructures: From Single Particles to the Ensemble. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 502-7	6.4	73
95	Hierarchical surface patterns of nanorods obtained by co-assembly with block copolymers in ultrathin films. <i>Advanced Materials</i> , <b>2010</b> , 22, 2774-9	24	72
94	Ultrafast photodissociation of I <sub>3</sub> <sup>-</sup> in ethanol: A molecular dynamics study. <i>Journal of Chemical Physics</i> , <b>1993</b> , 98, 8337-8340	3.9	72
93	Photocatalytic Hybrid Semiconductor-Metal Nanoparticles; from Synergistic Properties to Emerging Applications. <i>Advanced Materials</i> , <b>2018</b> , 30, e1706697	24	71
92	Rapid Three-Dimensional Printing in Water Using Semiconductor-Metal Hybrid Nanoparticles as Photoinitiators. <i>Nano Letters</i> , <b>2017</b> , 17, 4497-4501	11.5	67
91	A general strategy for synthesizing colloidal semiconductor zinc chalcogenide quantum rods. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 11121-7	16.4	65
90	Shape control of III-V semiconductor nanocrystals: synthesis and properties of InAs quantum rods. <i>Faraday Discussions</i> , <b>2004</b> , 125, 23-38; discussion 99-116	3.6	62
89	Ultrafast vibrational dynamics of nascent diiodide fragments studied by femtosecond transient resonance impulsive stimulated Raman scattering. <i>Journal of Chemical Physics</i> , <b>1993</b> , 99, 9318-9321	3.9	59
88	Heavy-Metal-Free Colloidal Semiconductor Nanorods: Recent Advances and Future Perspectives. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900781	24	49
87	Control of charging in resonant tunneling through InAs nanocrystal quantum dots. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 117-119	3.4	49
86	Multiexciton spectroscopy of semiconductor nanocrystals under quasi-continuous-wave optical pumping. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	47
85	Femtosecond Chemical Dynamics in Solution: Photodissociation of I <sub>3</sub> <sup>-</sup> . <i>Israel Journal of Chemistry</i> , <b>1993</b> , 33, 141-156	3.4	47
84	Hybrid Semiconductor-Metal Nanorods as Photocatalysts. <i>Topics in Current Chemistry</i> , <b>2016</b> , 374, 54	7.2	47

83	Size dependence of molar absorption coefficients of CdSe semiconductor quantum rods. <i>ChemPhysChem</i> , <b>2009</b> , 10, 1028-31	3.2	45
82	Mesophase Formation Stabilizes High-Purity Magic-Sized Clusters. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 3652-3662	16.4	44
81	Semiconductor Seeded Nanorods with Graded Composition Exhibiting High Quantum-Yield, High Polarization, and Minimal Blinking. <i>Nano Letters</i> , <b>2017</b> , 17, 2524-2531	11.5	43
80	Chemically reversible isomerization of inorganic clusters. <i>Science</i> , <b>2019</b> , 363, 731-735	33.3	42
79	Colloidal quantum dot molecules manifesting quantum coupling at room temperature. <i>Nature Communications</i> , <b>2019</b> , 10, 5401	17.4	42
78	Fabrication and optical properties of polymeric waveguides containing nanocrystalline quantum dots. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 4469	3.4	41
77	Strain-controlled shell morphology on quantum rods. <i>Nature Communications</i> , <b>2019</b> , 10, 2	17.4	40
76	Co-assembly of block copolymers and nanorods in ultrathin films: effects of copolymer size and nanorod filling fraction. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 11885-93	3.6	38
75	ZnSe/ZnS Core/Shell Quantum Dots with Superior Optical Properties through Thermodynamic Shell Growth. <i>Nano Letters</i> , <b>2020</b> , 20, 2387-2395	11.5	37
74	Nanoscale near-field imaging of excitons in single heterostructured nanorods. <i>Nano Letters</i> , <b>2010</b> , 10, 3068-72	11.5	37
73	Semiconductor nanorod layers aligned through mechanical rubbing. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2012</b> , 209, 235-242	1.6	35
72	Charge Carrier Dynamics in Photocatalytic Hybrid Semiconductor-Metal Nanorods: Crossover from Auger Recombination to Charge Transfer. <i>Nano Letters</i> , <b>2018</b> , 18, 5211-5216	11.5	34
71	Synthesis and Photocatalytic Properties of a Family of CdS-PdX Hybrid Nanoparticles. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 1217-1221	3.6	33
70	Unraveling the Impurity Location and Binding in Heavily Doped Semiconductor Nanocrystals: The Case of Cu in InAs Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 13688-13696	3.8	32
69	Inkjet printed fluorescent nanorod layers exhibit superior optical performance over quantum dots. <i>Nanoscale</i> , <b>2015</b> , 7, 19193-200	7.7	29
68	Delivery of Liposomal Quantum Dots via Monocytes for Imaging of Inflamed Tissue. <i>ACS Nano</i> , <b>2017</b> , 11, 3038-3051	16.7	28
67	Synthesis, Structure, and Optical Properties of New Cadmium Chalcogenide Clusters of the Type [Cd <sub>10</sub> E <sub>4</sub> (E <sup>Ph</sup> ) <sub>12</sub> (PR <sub>3</sub> ) <sub>4</sub> ], (E, ES= Te, Se, S). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2002</b> , 628, 2415-2421	1.3	28
66	Controlling Anisotropic Growth of Colloidal ZnSe Nanostructures. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 14627-14637	16.4	27

65	From Impurity Doping to Metallic Growth in Diffusion Doping: Properties and Structure of Silver-Doped InAs Nanocrystals. <i>ACS Nano</i> , <b>2015</b> , 9, 10790-800	16.7	26
64	Optical gain from InAs nanocrystal quantum dots in a polymer matrix. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 251108	3.4	26
63	Quantum Description of the Impulsive Photodissociation Dynamics of I in Solution. <i>Advances in Chemical Physics</i> , <b>2007</b> , 229-315		25
62	Nanotechnology for catalysis and solar energy conversion. <i>Nanotechnology</i> , <b>2021</b> , 32, 042003	3.4	24
61	Liposomes of Quantum Dots Configured for Passive and Active Delivery to Tumor Tissue. <i>Nano Letters</i> , <b>2019</b> , 19, 5844-5852	11.5	23
60	Magic size InP and InAs clusters: synthesis, characterization and shell growth. <i>Chemical Communications</i> , <b>2017</b> , 53, 2626-2629	5.8	22
59	Size Dependence of Doping by a Vacancy Formation Reaction in Copper Sulfide Nanocrystals. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 10335-10340	16.4	22
58	Heavy-Metal-Free Fluorescent ZnTe/ZnSe Nanodumbbells. <i>ACS Nano</i> , <b>2017</b> , 11, 7312-7320	16.7	21
57	Interface Modifications of InAs Quantum-Dots Solids and their Effects on FET Performance. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 1005-1010	15.6	21
56	PEG-Phospholipids Coated Quantum Rods as Amplifiers of the Photosensitization Process by FRET. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 21107-14	9.5	20
55	Single-particle studies of band alignment effects on electron transfer dynamics from semiconductor hetero-nanostructures to single-walled carbon nanotubes. <i>ACS Nano</i> , <b>2012</b> , 6, 176-82	16.7	20
54	Rhodium growth on Cu <sub>2</sub> S nanocrystals yielding hybrid nanoscale inorganic cages and their synergistic properties. <i>CrystEngComm</i> , <b>2014</b> , 16, 9506-9512	3.3	18
53	Reversed Nanoscale Kirkendall Effect in Au/InAs Hybrid Nanoparticles. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 8032-8043	9.6	17
52	Quantum dot labeling of butyrylcholinesterase maintains substrate and inhibitor interactions and cell adherence features. <i>ACS Chemical Neuroscience</i> , <b>2011</b> , 2, 141-50	5.7	17
51	A Tale of Tails: Thermodynamics of CdSe Nanocrystal Surface Ligand Exchange. <i>Nano Letters</i> , <b>2020</b> , 20, 6396-6403	11.5	17
50	Copper Sulfide Nanocrystal Level Structure and Electrochemical Functionality towards Sensing Applications. <i>ChemPhysChem</i> , <b>2016</b> , 17, 675-80	3.2	16
49	Dielectric Confinement and Excitonic Effects in Two-Dimensional Nanoplatelets. <i>ACS Nano</i> , <b>2020</b> , 14, 8257-8265	16.7	15
48	Electronic properties of hybrid Cu <sub>2</sub> S/Ru semiconductor/metallic-cage nanoparticles. <i>Nanotechnology</i> , <b>2012</b> , 23, 505710	3.4	14

47	A clear solution: semiconductor nanocrystals as photoinitiators in solvent free polymerization. <i>Nanoscale</i> , <b>2019</b> , 11, 11209-11216	7.7	13
46	Impurity Sub-Band in Heavily Cu-Doped InAs Nanocrystal Quantum Dots Detected by Ultrafast Transient Absorption. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 3088-97	2.8	13
45	Quantum Photoinitiators: Toward Emerging Photocuring Applications. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 577-587	16.4	13
44	DNA-Mediated Self-Assembly and Metallization of Semiconductor Nanorods for the Fabrication of Nanoelectronic Interfaces. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 9012-9016	4.8	12
43	Visualizing Ultrafast Electron Transfer Processes in Semiconductor-Metal Hybrid Nanoparticles: Toward Excitonic-Plasmonic Light Harvesting. <i>Nano Letters</i> , <b>2021</b> , 21, 1461-1468	11.5	12
42	Kolloidale Quantennanostrukturen: neue Materialien für Displayanwendungen. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 4354-4376	3.6	11
41	Size-dependent ligand layer dynamics in semiconductor nanocrystals probed by anisotropy measurements. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 12463-7	16.4	11
40	Synthese und Charakterisierung von InAs/InP- und InAs/CdSe-Kern/Schalen-Nanokristallen. <i>Angewandte Chemie</i> , <b>1999</b> , 111, 3913-3916	3.6	11
39	Electronic coupling in colloidal quantum dot molecules; the case of CdSe/CdS core/shell homodimers. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 224501	3.9	11
38	Coupled Colloidal Quantum Dot Molecules. <i>Accounts of Chemical Research</i> , <b>2021</b> , 54, 1178-1188	24.3	10
37	Periodic negative differential conductance in a single metallic nanocage. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	9
36	Charge Transport in Cu <sub>2</sub> S Nanocrystals Arrays: Effects of Crystallite Size and Ligand Length. <i>Zeitschrift Für Physikalische Chemie</i> , <b>2015</b> , 229, 179-190	3.1	8
35	Shell Stabilization of Photocatalytic ZnSe Nanorods. <i>ChemCatChem</i> , <b>2019</b> , 11, 6208-6212	5.2	8
34	Perpendicular Orientation of Anisotropic Au-Tipped CdS Nanorods at the Air/Water Interface. <i>Advanced Materials Interfaces</i> , <b>2014</b> , 1, 1300030	4.6	8
33	Size Dependence of Doping by a Vacancy Formation Reaction in Copper Sulfide Nanocrystals. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 10471-10476	3.6	8
32	Phonon-Plasmon Coupling and Active Cu Dopants in Indium Arsenide Nanocrystals Studied by Resonance Raman Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 2519-2525	6.4	7
31	The Metal Type Governs Photocatalytic Reactive Oxygen Species Formation by Semiconductor-Metal Hybrid Nanoparticles. <i>ChemCatChem</i> , <b>2018</b> , 10, 5119-5123	5.2	7
30	Targeting and imaging of monocyte-derived macrophages in rat's injured artery following local delivery of liposomal quantum dots. <i>Journal of Controlled Release</i> , <b>2020</b> , 318, 145-157	11.7	6

29	Metallic Conductive Luminescent Film. <i>ACS Nano</i> , <b>2019</b> , 13, 10826-10834	16.7	5
28	Electronic Level Structure and Single Electron Tunneling Effects in CdSe Quantum Rods. <i>Israel Journal of Chemistry</i> , <b>2004</b> , 44, 391-400	3.4	5
27	Semiconductor Bow-Tie Nanoantenna from Coupled Colloidal Quantum Dot Molecules. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 14467-14472	16.4	5
26	Carbon Nanotube and Semiconductor Nanorods Hybrids: Preparation, Characterization, and Evaluation of Photocurrent Generation. <i>Langmuir</i> , <b>2017</b> , 33, 5519-5526	4	4
25	Photoelectrochemistry of colloidal Cu <sub>2</sub> O nanocrystal layers: the role of interfacial chemistry. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 22255-22264	13	4
24	Surface Versus Impurity-Doping Contributions in InAs Nanocrystal Field Effect Transistor Performance. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 18717-18725	3.8	4
23	Colloidal Synthesis and Properties of InAs/InP and InAs/CdSe Core/Shell Nanocrystals. <i>Materials Research Society Symposia Proceedings</i> , <b>1999</b> , 571, 75		4
22	InAs Nanocrystals with Robust p-Type Doping. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2007456	15.6	4
21	Syntheses and Characterizations <b>2010</b> , 49-310		3
20	A simple method for preparation of silica aerogels doped with monodispersed nanoparticles in homogeneous concentration. <i>Journal of Supercritical Fluids</i> , <b>2020</b> , 159, 104496	4.2	3
19	Morphology effect on zinc oxide quantum photoinitiators for radical polymerization. <i>Nanoscale</i> , <b>2021</b> , 13, 7152-7160	7.7	3
18	Ligands Mediate Anion Exchange between Colloidal Lead-Halide Perovskite Nanocrystals. <i>Nano Letters</i> ,	11.5	3
17	8.2: Semiconductor Quantum Rods for Display Applications. <i>Digest of Technical Papers SID International Symposium</i> , <b>2015</b> , 46, 71-72	0.5	2
16	Lasing from CdSe/ZnS Quantum Rods in a Cylindrical Microcavity. <i>Materials Research Society Symposia Proceedings</i> , <b>2003</b> , 789, 234		2
15	Luminescent Anisotropic Wurtzite InP Nanocrystals. <i>Nano Letters</i> , <b>2021</b> , 21, 10032-10039	11.5	2
14	High-Sensitivity, High-Resolution Detection of Reactive Oxygen Species Concentration Using NV Centers. <i>ACS Photonics</i> , <b>2021</b> , 8, 1917-1921	6.3	2
13	Doped Colloidal InAs Nanocrystals in the Single Ionized Dopant Limit. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 14803-14812	3.8	1
12	Synthesis of InP and InAs quantum rods using Indium Acetate and Myristic acid. <i>Materials Research Society Symposia Proceedings</i> , <b>2004</b> , 848, 388		1

11	Neck Barrier Engineering in Quantum Dot Dimer Molecules via Intraparticle Ripening. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 19816-19823	16.4	1
10	Properties371-454		1
9	Complete Mapping of Interacting Charging States in Single Coupled Colloidal Quantum Dot Molecules.. <i>ACS Nano</i> , <b>2022</b> ,	16.7	1
8	Colloidal Quantum Materials for Photocatalytic Applications <b>2019</b> , 105-117		
7	Size-Dependent Ligand Layer Dynamics in Semiconductor Nanocrystals Probed by Anisotropy Measurements. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 12640-12644	3.6	
6	Innenrücktitelbild: Size-Dependent Ligand Layer Dynamics in Semiconductor Nanocrystals Probed by Anisotropy Measurements (Angew. Chem. 42/2015). <i>Angewandte Chemie</i> , <b>2015</b> , 127, 12697-12697	3.6	
5	Direct observation of highly polarized non-linear absorption dipole of single semiconductor quantum rods. <i>Materials Research Society Symposia Proceedings</i> , <b>2004</b> , 818, 330		
4	Syntheses and Characterizations: 3.1 Semiconductor Nanoparticles50-185		
3	Properties305-367		
2	Size and shape dependent level structure in CdSe quantum rods. <i>Materials Research Society Symposia Proceedings</i> , <b>2002</b> , 737, 174		
1	Semiconductor Bow-Tie Nanoantenna from Coupled Colloidal Quantum Dot Molecules. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 14588-14593	3.6	