

Alexander Eychmüller

List of Publications by Year in descending order

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378
papers

27,616
citations

4658

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all docs

396
docs citations

396
times ranked

27838
citing authors

#	ARTICLE	IF	CITATIONS
1	An Undergraduate Project on the Assembly of Langmuir-Blodgett Films of Colloidal Particles. <i>Journal of Chemical Education</i> , 2022, 99, 952-956.	2.3	2
2	Electrochemical Surface Area Quantification, CO ₂ Reduction Performance, and Stability Studies of Unsupported Three-Dimensional Au Aerogels versus Carbon-Supported Au Nanoparticles. <i>ACS Materials Au</i> , 2022, 2, 278-292.	6.0	18
3	Self-assembly of nanocrystals into strongly electronically coupled all-inorganic supercrystals. <i>Science</i> , 2022, 375, 1422-1426.	12.6	57
4	Self-Supported Three-Dimensional Quantum Dot Aerogels as a Promising Photocatalyst for CO ₂ Reduction. <i>Chemistry of Materials</i> , 2022, 34, 2687-2695.	6.7	12
5	Expanding the Range: AuCu Metal Aerogels from H ₂ O and EtOH. <i>Catalysts</i> , 2022, 12, 441.	3.5	3
6	Controllable electrostatic manipulation of structure building blocks in noble metal aerogels. <i>Materials Advances</i> , 2022, 3, 5760-5771.	5.4	6
7	CO ₂ Electroreduction on Unsupported PdPt Aerogels: Effects of Alloying and Surface Composition on Product Selectivity. <i>ACS Applied Energy Materials</i> , 2022, 5, 8460-8471.	5.1	16
8	Heterostructured Bismuth Telluride Selenide Nanosheets for Enhanced Thermoelectric Performance. <i>Small Science</i> , 2021, 1, 2000021.	9.9	16
9	A Roadmap for 3D Metal Aerogels: Materials Design and Application Attempts. <i>Matter</i> , 2021, 4, 54-94.	10.0	60
10	Proving a Paradigm in Methanol Steam Reforming: Catalytically Highly Selective In _x Pd _y /In ₂ O ₃ Interfaces. <i>ACS Catalysis</i> , 2021, 11, 304-312.	11.2	24
11	Rapid synthesis of gold-palladium core-shell aerogels for selective and robust electrochemical CO ₂ reduction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 17189-17197.	10.3	32
12	Surface Defines the Properties: Colloidal Bi ₂ Se ₃ Nanosheets with High Electrical Conductivity. <i>Journal of Physical Chemistry C</i> , 2021, 125, 6442-6448.	3.1	5
13	Simultaneous Ligand and Cation Exchange of Colloidal CdSe Nanoplatelets toward PbSe Nanoplatelets for Application in Photodetectors. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 5214-5220.	4.6	13
14	Unprecedented Catalytic Activity and Selectivity in Methanol Steam Reforming by Reactive Transformation of Intermetallic In-Pt Compounds. <i>Journal of Physical Chemistry C</i> , 2021, 125, 9809-9817.	3.1	7
15	Size-Tunable Gold Aerogels: A Durable and Misfocus-Tolerant 3D Substrate for Multiplex SERS Detection. <i>Advanced Optical Materials</i> , 2021, 9, 2100352.	7.3	24
16	Near-Infrared-Emitting Cd _x Hg _{1-x} Se-Based Core/Shell Nanoplatelets. <i>Chemistry of Materials</i> , 2021, 33, 7693-7702.	6.7	11
17	Polyol-Assisted Synthesis of Copper Particles. <i>Journal of Physical Chemistry C</i> , 2021, 125, 24887-24893.	3.1	5
18	Morphogenesis of Magnetite Mesocrystals: Interplay between Nanoparticle Morphology and Solvation Shell. <i>Chemistry of Materials</i> , 2021, 33, 9119-9130.	6.7	11

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19	Hybrid Plasmonic Aerogel Materials as Optical Superheaters with Engineered Resonances. <i>Angewandte Chemie</i> , 2020, 132, 1713-1719.	2.0	9
20	Engineering Self-Supported Noble Metal Foams Toward Electrocatalysis and Beyond. <i>Advanced Energy Materials</i> , 2020, 10, 1901945.	19.5	89
21	Hybrid Plasmonic Aerogel Materials as Optical Superheaters with Engineered Resonances. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1696-1702.	13.8	13
22	In-Depth Study of $\text{Li}_4\text{Ti}_5\text{O}_{12}$ Performing beyond Conventional Operating Conditions. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 37227-37238.	8.0	12
23	Disturbance-Promoted Unconventional and Rapid Fabrication of Self-Healable Noble Metal Gels for (Photo-)Electrocatalysis. <i>Matter</i> , 2020, 2, 908-920.	10.0	49
24	Casting of Gold Nanoparticles with High Aspect Ratios inside DNA Molds. <i>Small</i> , 2020, 16, e2003662.	10.0	15
25	Hollow Nanostructures. <i>ChemNanoMat</i> , 2020, 6, 1419-1420.	2.8	2
26	Freeze-Thaw-Promoted Fabrication of Clean and Hierarchically Structured Noble Metal Aerogels for Electrocatalysis and Photoelectrocatalysis (<i>Angew. Chem.</i> 21/2020). <i>Angewandte Chemie</i> , 2020, 132, 8379-8379.	2.0	0
27	Increasing the Diversity and Understanding of Semiconductor Nanoplatelets by Colloidal Atomic Layer Deposition. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 2000282.	2.4	5
28	Largely boosted methanol electrooxidation using ionic liquid/PdCu aerogels <i>via</i> interface engineering. <i>Materials Horizons</i> , 2020, 7, 2407-2413.	12.2	36
29	Freeze-Thaw-Promoted Fabrication of Clean and Hierarchically Structured Noble Metal Aerogels for Electrocatalysis and Photoelectrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8293-8300.	13.8	56
30	Freeze-Thaw-Promoted Fabrication of Clean and Hierarchically Structured Noble Metal Aerogels for Electrocatalysis and Photoelectrocatalysis. <i>Angewandte Chemie</i> , 2020, 132, 8370-8377.	2.0	13
31	Unveiling reductant chemistry in fabricating noble metal aerogels for superior oxygen evolution and ethanol oxidation. <i>Nature Communications</i> , 2020, 11, 1590.	12.8	106
32	In-Situ Generation of Electrolyte inside Pyridine-Based Covalent Triazine Frameworks for Direct Supercapacitor Integration. <i>ChemSusChem</i> , 2020, 13, 3192-3198.	6.8	14
33	General Colloidal Synthesis of Transition-Metal Disulfide Nanomaterials as Electrocatalysts for Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13148-13155.	8.0	25
34	Engineering Multimetallic Aerogels for pH-Universal HER and ORR Electrocatalysis. <i>Advanced Energy Materials</i> , 2020, 10, 1903857.	19.5	83
35	Continuous droplet reactor for the production of millimeter sized spherical aerogels. <i>RSC Advances</i> , 2020, 10, 2277-2282.	3.6	5
36	Promoting the Electrocatalytic Performance of Noble Metal Aerogels by Ligand-Directed Modulation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5706-5711.	13.8	58

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37	Semiconductor Nanocrystal Heterostructures: Near-Infrared Emitting PbSe-Tipped CdSe Tetrapods. <i>Chemistry of Materials</i> , 2020, 32, 4045-4053.	6.7	8
38	Tailoring the Morphology and Fractal Dimension of 2D Mesh-like Gold Gels. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12048-12054.	13.8	16
39	Promoting the Electrocatalytic Performance of Noble Metal Aerogels by Ligand-Directed Modulation. <i>Angewandte Chemie</i> , 2020, 132, 5755-5760.	2.0	14
40	Tailoring the Morphology and Fractal Dimension of 2D Mesh-like Gold Gels. <i>Angewandte Chemie</i> , 2020, 132, 12146-12152.	2.0	3
41	Highly Luminescent and Water-Resistant CsPbBr ₃ -CsPb ₂ Br ₅ Perovskite Nanocrystals Coordinated with Partially Hydrolyzed Poly(methyl methacrylate) and Polyethylenimine. <i>ACS Nano</i> , 2019, 13, 10386-10396.	14.6	110
42	Emerging Noble Metal Aerogels: State of the Art and a Look Forward. <i>Matter</i> , 2019, 1, 39-56.	10.0	84
43	Highly Conductive Copper Selenide Nanocrystal Thin Films for Advanced Electronics. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1560-1569.	4.3	19
44	High-Performance Ultra-Short Channel Field-Effect Transistor Using Solution-Processable Colloidal Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4025-4031.	4.6	14
45	Mechanical Characterization of Self-Supported Noble Metal Gel Monoliths. <i>Journal of Physical Chemistry C</i> , 2019, 123, 27651-27658.	3.1	5
46	Mercury-indium-sulfide nanocrystals: A new member of the family of ternary in based chalcogenides. <i>Journal of Chemical Physics</i> , 2019, 151, 144701.	3.0	15
47	Ligand-Exchange-Mediated Fabrication of Gold Aerogels Containing Different Au(I) Content with Peroxidase-like Behavior. <i>Chemistry of Materials</i> , 2019, 31, 10094-10099.	6.7	26
48	Specific ion effects directed noble metal aerogels: Versatile manipulation for electrocatalysis and beyond. <i>Science Advances</i> , 2019, 5, eaaw4590.	10.3	87
49	Colloidal Mercury-Doped CdSe Nanoplatelets with Dual Fluorescence. <i>Chemistry of Materials</i> , 2019, 31, 5065-5074.	6.7	29
50	A versatile ethanolic approach to metal aerogels (Pt, Pd, Au, Ag, Cu and Co). <i>Materials Chemistry Frontiers</i> , 2019, 3, 1586-1592.	5.9	28
51	Colloidal PbS nanoplatelets synthesized via cation exchange for electronic applications. <i>Nanoscale</i> , 2019, 11, 19370-19379.	5.6	21
52	Colloidal PbSe Nanoplatelets of Varied Thickness with Tunable Optical Properties. <i>Chemistry of Materials</i> , 2019, 31, 3803-3811.	6.7	32
53	DNA-Mediated Self-Assembly and Metallization of Semiconductor Nanorods for the Fabrication of Nanoelectronic Interfaces. <i>Chemistry - A European Journal</i> , 2019, 25, 9012-9016.	3.3	14
54	Quantum Dots and Quantum Rods. <i>Nanoscience and Technology</i> , 2019, , 29-51.	1.5	5

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55	Boron Nitride Aerogels with Superflexibility Ranging from Liquid Nitrogen Temperature to 1000 Å°C. <i>Advanced Functional Materials</i> , 2019, 29, 1900188.	14.9	97
56	Diffusion- and reaction-limited cluster aggregation revisited. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 5723-5729.	2.8	79
57	Influence of the average molar mass of poly(N-vinylpyrrolidone) on the dimensions and conductivity of silver nanowires. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 9036-9043.	2.8	13
58	In vivo uptake of gold nanoparticles by the diatom <i>Stephanopyxis turris</i> . <i>Algal Research</i> , 2019, 39, 101447.	4.6	9
59	Galvanic replacement induced electromotive force to propel Janus micromotors. <i>Journal of Chemical Physics</i> , 2019, 150, 144902.	3.0	6
60	Brightly Luminescent Core/Shell Nanoplatelets with Continuously Tunable Optical Properties. <i>Advanced Optical Materials</i> , 2019, 7, 1801478.	7.3	33
61	Diffusion-Limited Cluster Aggregation: Impact of Rotational Diffusion. <i>Journal of Physical Chemistry C</i> , 2019, 123, 950-954.	3.1	24
62	Promoting Electrocatalysis upon Aerogels. <i>Advanced Materials</i> , 2019, 31, e1804881.	21.0	146
63	10.1063/1.5085838.1., 2019, , .		0
64	Brightly Luminescent Cu-Zn-In-S/ZnS Core/Shell Quantum Dots in Salt Matrices. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018, 233, 23-40.	2.8	8
65	Luminescence and photoelectrochemical properties of size-selected aqueous copper-doped AgInS quantum dots. <i>RSC Advances</i> , 2018, 8, 7550-7557.	3.6	51
66	A fast route to obtain modified tin oxide aerogels using hydroxostannate precursors. <i>Materials Chemistry Frontiers</i> , 2018, 2, 710-717.	5.9	5
67	Photocatalytic Iron Oxide Micro-Swimmers for Environmental Remediation. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018, 232, 747-757.	2.8	16
68	Origin and Dynamics of Highly Efficient Broadband Photoluminescence of Aqueous Glutathione-Capped Size-Selected AgInS Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13648-13658.	3.1	88
69	Kern-Schale-Strukturierung rein metallischer Aerogele für eine hocheffiziente Nutzung von Platin für die Sauerstoffreduktion. <i>Angewandte Chemie</i> , 2018, 130, 3014-3018.	2.0	7
70	Core-Shell Structuring of Pure Metallic Aerogels towards Highly Efficient Platinum Utilization for the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2963-2966.	13.8	154
71	Unsupported Pt ₃ Ni Aerogels as Corrosion Resistant PEFC Anode Catalysts under Gross Fuel Starvation Conditions. <i>Journal of the Electrochemical Society</i> , 2018, 165, F3001-F3006.	2.9	19
72	Tomographic Analysis and Modeling of Polymer Electrolyte Fuel Cell Unsupported Catalyst Layers. <i>Journal of the Electrochemical Society</i> , 2018, 165, F7-F16.	2.9	15

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73	Mechanical Properties of Metal Oxide Aerogels. <i>Chemistry of Materials</i> , 2018, 30, 145-152.	6.7	49
74	“Green” Aqueous Synthesis and Advanced Spectral Characterization of Size-Selected Cu ₂ ZnSnS ₄ Nanocrystal Inks. <i>Scientific Reports</i> , 2018, 8, 13677.	3.3	39
75	Selective pore opening and gating of the pillared layer metal-organic framework DUT-8(Ni) upon liquid phase multi-component adsorption. <i>Microporous and Mesoporous Materials</i> , 2018, 271, 169-174.	4.4	16
76	Synthesis of NIR-Emitting InAs-Based Core/Shell Quantum Dots with the Use of Tripyrazolylarsane as Arsenic Precursor. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1800175.	2.3	11
77	Current Advances in TiO ₂ -Based Nanostructure Electrodes for High Performance Lithium Ion Batteries. <i>Batteries</i> , 2018, 4, 7.	4.5	116
78	Surface distortion as a unifying concept and descriptor in oxygen reduction reaction electrocatalysis. <i>Nature Materials</i> , 2018, 17, 827-833.	27.5	344
79	Emerging Hierarchical Aerogels: Self-Assembly of Metal and Semiconductor Nanocrystals. <i>Advanced Materials</i> , 2018, 30, e1707518.	21.0	104
80	Multimetallic Hierarchical Aerogels: Shape Engineering of the Building Blocks for Efficient Electrocatalysis. <i>Advanced Materials</i> , 2017, 29, 1605254.	21.0	98
81	Moderne Anorganische Aerogele. <i>Angewandte Chemie</i> , 2017, 129, 13380-13403.	2.0	11
82	Modern Inorganic Aerogels. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13200-13221.	13.8	303
83	Effect of Acid Washing on the Oxygen Reduction Reaction Activity of Pt-Cu Aerogel Catalysts. <i>Electrochimica Acta</i> , 2017, 233, 210-217.	5.2	24
84	Mechanism of Surface Alkylation of a Gold Aerogel with Tetra-n-butylstannane-d ₃₆ : Identification of Byproducts. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2339-2343.	4.6	3
85	Quenching of R6G Fluorescence by Gold Nanoparticles of Various Particle Geometries. <i>Zeitschrift Fur Physikalische Chemie</i> , 2017, 232, 1-11.	2.8	3
86	Unsupported Pt-Ni Aerogels with Enhanced High Current Performance and Durability in Fuel Cell Cathodes. <i>Angewandte Chemie</i> , 2017, 129, 10847-10850.	2.0	15
87	Unsupported Pt-Ni Aerogels with Enhanced High Current Performance and Durability in Fuel Cell Cathodes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10707-10710.	13.8	65
88	A Fine Size Selection of Brightly Luminescent Water-Soluble Ag-In-S and Ag-In-S/ZnS Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2017, 121, 9032-9042.	3.1	131
89	Hybrid N-Butylamine-Based Ligands for Switching the Colloidal Solubility and Regimentation of Inorganic-Capped Nanocrystals. <i>ACS Nano</i> , 2017, 11, 1559-1571.	14.6	49
90	3D assembly of preformed colloidal nanoparticles into gels and aerogels: function-led design. <i>Chemical Communications</i> , 2017, 53, 12608-12621.	4.1	42

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91	Transfer of Inorganic-Capped Nanocrystals into Aqueous Media. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5573-5578.	4.6	17
92	Zinc Coordination Polymers Containing Isomeric Forms of <i>p</i> -(Thiazolyl)benzoic Acid: Blue-Emitting Materials with a Solvatochromic Response to Water. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4909-4918.	2.0	9
93	Tri(pyrazolyl)phosphane als Vorstufen für die Synthese von stark emittierenden InP/ZnS-Quantenpunkten. <i>Angewandte Chemie</i> , 2017, 129, 14932-14937.	2.0	2
94	Versatile Tri(pyrazolyl)phosphanes as Phosphorus Precursors for the Synthesis of Highly Emitting InP/ZnS Quantum Dots. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14737-14742.	13.8	24
95	Nanostructuring Noble Metals as Unsupported Electrocatalysts for Polymer Electrolyte Fuel Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1700548.	19.5	76
96	Durability of Unsupported Pt-Ni Aerogels in PEFC Cathodes. <i>Journal of the Electrochemical Society</i> , 2017, 164, F1136-F1141.	2.9	23
97	Ligand Versatility in Supercrystal Formation. <i>Advanced Functional Materials</i> , 2017, 27, 1700361.	14.9	28
98	Precise Engineering of Nanocrystal Shells via Colloidal Atomic Layer Deposition. <i>Chemistry of Materials</i> , 2017, 29, 8111-8118.	6.7	21
99	Absolute Energy Level Positions in CdSe Nanostructures from Potential-Modulated Absorption Spectroscopy (EMAS). <i>ACS Nano</i> , 2017, 11, 12174-12184.	14.6	38
100	Tetrazole-Stabilized Gold Nanoparticles for Catalytic Applications. <i>Zeitschrift Fur Physikalische Chemie</i> , 2017, 231, 51-62.	2.8	11
101	Structural Analysis and Electrochemical Properties of Bimetallic Palladium-Platinum Aerogels Prepared by a Two-Step Gelation Process. <i>ChemCatChem</i> , 2017, 9, 798-808.	3.7	20
102	Ternary CNTs@TiO ₂ /CoO Nanotube Composites: Improved Anode Materials for High Performance Lithium Ion Batteries. <i>Materials</i> , 2017, 10, 678.	2.9	14
103	A Size-Dependent Analysis of the Structural, Surface, Colloidal, and Thermal Properties of Ti ₂ B ₂ (<i>x</i> = 0.03-0.08) Nanoparticles. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 3460-3468.	2.0	26
104	Simple and Sensitive Colorimetric Detection of Dopamine Based on Assembly of Cyclodextrin-Modified Au Nanoparticles. <i>Small</i> , 2016, 12, 2439-2442.	10.0	123
105	3D Assembly of All-Inorganic Colloidal Nanocrystals into Gels and Aerogels. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6334-6338.	13.8	75
106	Chloride and Indium-Chloride-Complex Inorganic Ligands for Efficient Stabilization of Nanocrystals in Solution and Doping of Nanocrystal Solids. <i>Advanced Functional Materials</i> , 2016, 26, 2163-2175.	14.9	43
107	Probing Absolute Electronic Energy Levels in Hg-Doped CdTe Semiconductor Nanocrystals by Electrochemistry and Density Functional Theory. <i>ChemPhysChem</i> , 2016, 17, 244-252.	2.1	7
108	Vapochromic Luminescence of a Zirconium-Based Metal-Organic Framework for Sensing Applications. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 4483-4489.	2.0	39

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109	Homogeneity and elemental distribution in self-assembled bimetallic Pd–Pt aerogels prepared by a spontaneous one-step gelation process. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 20640-20650.	2.8	22
110	The Formation and Morphology of Nanoparticle Supracrystals. <i>Advanced Functional Materials</i> , 2016, 26, 4890-4895.	14.9	15
111	Degradation of Sexithiophene Cascade Organic Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1502432.	19.5	16
112	3D-Anordnung anorganischer kolloidaler Nanokristalle zu Gelen und Aerogelen. <i>Angewandte Chemie</i> , 2016, 128, 6442-6446.	2.0	9
113	Electrical limit of silver nanowire electrodes: Direct measurement of the nanowire junction resistance. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	41
114	Self-Supporting Hierarchical Porous PtAg Alloy Nanotubular Aerogels as Highly Active and Durable Electrocatalysts. <i>Chemistry of Materials</i> , 2016, 28, 6477-6483.	6.7	81
115	Pt-Ni Aerogels as Unsupported Electrocatalysts for the Oxygen Reduction Reaction. <i>Journal of the Electrochemical Society</i> , 2016, 163, F998-F1003.	2.9	74
116	Frontispiece: Alloying Behavior of Self-Assembled Noble Metal Nanoparticles. <i>Chemistry - A European Journal</i> , 2016, 22, .	3.3	1
117	Colloidal Nanocrystals Embedded in Macrocrystals: Methods and Applications. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4117-4123.	4.6	28
118	Enzymatic Biofuel Cells on Porous Nanostructures. <i>Small</i> , 2016, 12, 4649-4661.	10.0	50
119	Cold Flow as Versatile Approach for Stable and Highly Luminescent Quantum Dot–Salt Composites. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21570-21575.	8.0	28
120	Simultane Bestimmung spektraler Eigenschaften und Größen von multiplen Partikeln in Lösung mit Subnanometer-Auflösung. <i>Angewandte Chemie</i> , 2016, 128, 11944-11949.	2.0	2
121	5-(2-Mercaptoethyl)-1H-tetrazole: Facile Synthesis and Application for the Preparation of Water Soluble Nanocrystals and Their Gels. <i>Chemistry - A European Journal</i> , 2016, 22, 14746-14752.	3.3	8
122	Solid-State Anion Exchange Reactions for Color Tuning of CsPbX ₃ Perovskite Nanocrystals. <i>Chemistry of Materials</i> , 2016, 28, 9033-9040.	6.7	182
123	Alloying Behavior of Self-Assembled Noble Metal Nanoparticles. <i>Chemistry - A European Journal</i> , 2016, 22, 13446-13450.	3.3	25
124	Simultaneous Identification of Spectral Properties and Sizes of Multiple Particles in Solution with Subnanometer Resolution. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11770-11774.	13.8	46
125	Methods to Characterize the Oligonucleotide Functionalization of Quantum Dots. <i>Small</i> , 2016, 12, 4763-4771.	10.0	10
126	ZnPd/ZnO Aerogels as Potential Catalytic Materials. <i>Advanced Functional Materials</i> , 2016, 26, 1014-1020.	14.9	20

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127	pH and concentration dependence of the optical properties of thiol-capped CdTe nanocrystals in water and D ₂ O. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 19083-19092.	2.8	25
128	Degradation of Flexible, ITO-Free Oligothiophene Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 14709-14716.	8.0	10
129	Multiexciton generation assisted highly photosensitive CdHgTe nanocrystal skins. <i>Nano Energy</i> , 2016, 26, 324-331.	16.0	5
130	Gold Aerogels: Three-Dimensional Assembly of Nanoparticles and Their Use as Electrocatalytic Interfaces. <i>ACS Nano</i> , 2016, 10, 2559-2567.	14.6	165
131	Anodically fabricated TiO ₂ –SnO ₂ nanotubes and their application in lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5542-5552.	10.3	46
132	Flexible and fragmentable tandem photosensitive nanocrystal skins. <i>Nanoscale</i> , 2016, 8, 4495-4503.	5.6	5
133	Synthesis of Ordered Mesoporous Carbon Materials by Dry Etching. <i>Chemistry - A European Journal</i> , 2015, 21, 14753-14757.	3.3	19
134	Synthesis and Characterization of Chitosan-Based Polyelectrolyte Complexes Doped with Xanthene Dyes. <i>ChemPhysChem</i> , 2015, 16, 3997-4003.	2.1	13
135	Tetrazoles: Unique Capping Ligands and Precursors for Nanostructured Materials. <i>Small</i> , 2015, 11, 5728-5739.	10.0	31
136	Function-Led Design of Aerogels: Self-Assembly of Alloyed PdNi Hollow Nanospheres for Efficient Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13101-13105.	13.8	180
137	Localization and Dynamics of Long-Lived Excitations in Colloidal Semiconductor Nanocrystals with Dual Quantum Confinement. <i>ChemPhysChem</i> , 2015, 16, 1663-1669.	2.1	10
138	Surface Influences on the Electrodiffusive Behavior in Mesoporous Templates. <i>Small</i> , 2015, 11, 3174-3182.	10.0	7
139	Semiconductor Nanocrystals: Liquid-Liquid Diffusion-Assisted Crystallization: A Fast and Versatile Approach Toward High Quality Mixed Quantum Dot-Salt Crystals (Adv. Funct. Mater. 18/2015). <i>Advanced Functional Materials</i> , 2015, 25, 2783-2783.	14.9	1
140	The distribution and degradation of radiolabeled superparamagnetic iron oxide nanoparticles and quantum dots in mice. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 111-123.	2.8	44
141	Stable Dispersion of Iodide-Capped PbSe Quantum Dots for High-Performance Low-Temperature Processed Electronics and Optoelectronics. <i>Chemistry of Materials</i> , 2015, 27, 4328-4337.	6.7	56
142	QD-Salt Mixed Crystals: the Influence of Salt-Type, Free-Stabilizer, and pH. <i>Zeitschrift Fur Physikalische Chemie</i> , 2015, 229, 109-118.	2.8	9
143	Kinetically Controlled Synthesis of PdNi Bimetallic Porous Nanostructures with Enhanced Electrocatalytic Activity. <i>Small</i> , 2015, 11, 1430-1434.	10.0	133
144	High-Resolution Metal Nanopatterning by Means of Switchable Block Copolymer Templates. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 12559-12569.	8.0	35

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