Thomas Bein

List of Publications by Year
in descending order

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501	49,389	863 117	2071 204
papers	citations	h-index	g-index

544	544	544	44539
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	2D/3D Hybrid Cs₂AgBiBr₆ Double Perovskite Solar Cells: Improved Energy Level Alignment for Higher Contactâ€Selectivity and Large Open Circuit Voltage. Advanced Energy Materials, 2022, 12, 2103215.	10.2	62
2	A Novel Electrically Conductive Perylene Diimideâ€Based MOFâ€74 Series Featuring Luminescence and Redox Activity. Small Structures, 2022, 3, .	6.9	12
3	ECMO during the COVID-19 pandemic: moving from rescue therapy to more reasonable indications. European Respiratory Journal, 2022, 59, 2103262.	3.1	11
4	Mesoporous Biodegradable Magnesium Phosphate-Citrate Nanocarriers Amplify Methotrexate Anticancer Activity in HeLa Cells. Bioconjugate Chemistry, 2022, 33, 566-575.	1.8	2
5	Helical Anthraceneâ€“Ethyne-Based MOF-74 Analogue. Crystal Growth and Design, 2022, 22, 2849-2853.	1.4	2
6	Covalent Organic Framework Nanoplates Enable Solution-Processed Crystalline Nanofilms for Photoelectrochemical Hydrogen Evolution. Journal of the American Chemical Society, 2022, 144, 10291-10300.	6.6	33
7	Silverâ€Bismuth Based 2D Double Perovskites (4FPEA)₄AgBiX₈ (XÂ= Cl, Br,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Advanced Optical Materials, 2022, 10, .	3.6	17
8	Energy Efficient Ultrahigh Flux Separation of Oily Pollutants from Water with Superhydrophilic Nanoscale Metalâ€“Organic Framework Architectures. Angewandte Chemie - International Edition, 2021, 60, 5519-5526.	7.2	66
9	Energy Efficient Ultrahigh Flux Separation of Oily Pollutants from Water with Superhydrophilic Nanoscale Metalâ€“Organic Framework Architectures. Angewandte Chemie, 2021, 133, 5579-5586.	1.6	8
10	Optoelectronic processes in covalent organic frameworks. Chemical Society Reviews, 2021, 50, 1813-1845.	18.7	264
11	Dehydrogenative 6Ï€ heterocyclization under visible light irradiation and mechanistic insights. Organic Chemistry Frontiers, 2021, 8, 3788-3795.	2.3	2
12	Influence of crystallisation on the structural and optical properties of lead-free Cs₂AgBiBr₆ perovskite crystals. CrystEngComm, 2021, 23, 6848-6854.	1.3	4
13	Curcumin Encapsulated in Crosslinked Cyclodextrin Nanoparticles Enables Immediate Inhibition of Cell Growth and Efficient Killing of Cancer Cells. Nanomaterials, 2021, 11, 489.	1.9	18
14	Synergistic Combination of Calcium and Citrate in Mesoporous Nanoparticles Targets Pleural Tumors. CheM, 2021, 7, 480-494.	5.8	11
15	Fast-Switching Visâ€“IR Electrochromic Covalent Organic Frameworks. Journal of the American Chemical Society, 2021, 143, 7351-7357.	6.6	95
16	Organ donation after controlled cardiocirculatory death: confidence by clarity. Intensive Care Medicine, 2021, 47, 325-327.	3.9	8
17	Mesoporous Silica Nanoparticles as pH-Responsive Carrier for the Immune-Activating Drug Resiquimod Enhance the Local Immune Response in Mice. ACS Nano, 2021, 15, 4450-4466.	7.3	94
18	Increasing Photostability of Inverted Nonfullerene Organic Solar Cells by Using Fullerene Derivative Additives. ACS Applied Materials & Interfaces, 2021, 13, 19072-19084.	4.0	37

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19	Titelbild: An Electrically Conducting Threeâ€Dimensional Ironâ€“Catecholate Porous Framework (Angew.) Tj ETQq1 1 0.784314 rgBT /O	1.6	0
20	Isoreticular Crystallization of Highly Porous Cubic Covalent Organic Cage Compounds**. Angewandte Chemie - International Edition, 2021, 60, 17455-17463.	7.2	34
21	IsoretikulÃre Kristallisation von hochporÃ¶sen kubischen kovalentorganischen KÃfigverbindungen**. Angewandte Chemie, 2021, 133, 17595-17604.	1.6	7
22	The Bottlenecks of Cs₂AgBiBr₆ Solar Cells: How Contacts and Slow Transients Limit the Performance. Advanced Optical Materials, 2021, 9, 2100202.	3.6	35
23	Whatâ€™s new in intensive care: environmental sustainability. Intensive Care Medicine, 2021, 47, 903-905.	3.9	13
24	Frontispiece: Isoreticular Crystallization of Highly Porous Cubic Covalent Organic Cage Compounds. Angewandte Chemie - International Edition, 2021, 60, .	7.2	0
25	An Electrically Conducting Threeâ€Dimensional Ironâ€“Catecholate Porous Framework. Angewandte Chemie, 2021, 133, 18213-18220.	1.6	4
26	Frontispiz: IsoretikulÃre Kristallisation von hochporÃ¶sen kubischen kovalentorganischen KÃfigverbindungen. Angewandte Chemie, 2021, 133, .	1.6	0
27	An Electrically Conducting Threeâ€Dimensional Ironâ€“Catecholate Porous Framework. Angewandte Chemie - International Edition, 2021, 60, 18065-18072.	7.2	24
28	MOF-74(M) Films Obtained through Vapor-Assisted Conversionâ€”Impact on Crystal Orientation and Optical Properties. Chemistry of Materials, 2021, 33, 5896-5904.	3.2	16
29	1,10-Phenanthroline as an Efficient Bifunctional Passivating Agent for MAPbI₃ Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 32894-32905.	4.0	13
30	Design of High-Performance Lead-Free Quaternary Antiperovskites for Photovoltaics via Ion Type Inversion and Anion Ordering. Journal of the American Chemical Society, 2021, 143, 12369-12379.	6.6	24
31	Overcoming the Challenges of Freestanding Tin Oxideâ€Based Composite Anodes to Achieve High Capacity and Increased Cycling Stability. Advanced Functional Materials, 2021, 31, 2106373.	7.8	9
32	Ultraâ€Thin Protective Coatings for Sustained Photoelectrochemical Water Oxidation with Mo:BiVO₄. Advanced Functional Materials, 2021, 31, 2011210.	7.8	32
33	Highly conductive titania supported iridium oxide nanoparticles with low overall iridium density as OER catalyst for large-scale PEM electrolysis. Applied Materials Today, 2021, 24, 101134.	2.3	28
34	Selective functionalization of the 1H-imidazo[1,2-b]pyrazole scaffold. A new potential non-classical isostere of indole and a precursor of pushâ€“pull dyes. Chemical Science, 2021, 12, 12993-13000.	3.7	7
35	Roadmap on organicâ€“inorganic hybrid perovskite semiconductors and devices. APL Materials, 2021, 9, .	2.2	102
36	Complete countrywide mortality in COVID patients receiving ECMO in Germany throughout the first three waves of the pandemic. Critical Care, 2021, 25, 413.	2.5	51

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37	ECMO use in Germany: An analysis of 29,929 ECMO runs. PLoS ONE, 2021, 16, e0260324.	1.1	18
38	Efficient OER Catalyst with Low Ir Volume Density Obtained by Homogeneous Deposition of Iridium Oxide Nanoparticles on Macroporous Antimonyâ€Doped Tin Oxide Support. Advanced Functional Materials, 2020, 30, 1906670.	7.8	95
39	Stressors and strains of next of kin of patients with ARDS in intensive care: A qualitative interview study using a stressâ€“strain approach. Intensive and Critical Care Nursing, 2020, 57, 102783.	1.4	8
40	Sn-Doped Hematite for Photoelectrochemical Water Splitting: The Effect of Sn Concentration. Zeitschrift Fur Physikalische Chemie, 2020, 234, 683-698.	1.4	10
41	Climate change, global warming, and intensive care. Intensive Care Medicine, 2020, 46, 485-487.	3.9	23
42	Cellulose Nanocrystal-Templated Tin Dioxide Thin Films for Gas Sensing. ACS Applied Materials & Interfaces, 2020, 12, 12639-12647.	4.0	19
43	V(III)-Doped Nickel Oxide-Based Nanocatalysts for Electrochemical Water Splitting: Influence of Phase, Composition, and Doping on the Electrocatalytic Activity. Chemistry of Materials, 2020, 32, 10394-10406.	3.2	14
44	Optoelectronic Properties of Cs₂AgBiBr₆ Thin Films: The Influence of Precursor Stoichiometry. ACS Applied Energy Materials, 2020, 3, 11597-11609.	2.5	27
45	Highly conducting Wurster-type twisted covalent organic frameworks. Chemical Science, 2020, 11, 12843-12853.	3.7	48
46	Local Disorder at the Phase Transition Interrupts Ambipolar Charge Carrier Transport in Large Crystal Methylammonium Lead Iodide Thin Films. Journal of Physical Chemistry C, 2020, 124, 20757-20764.	1.5	0
47	Prospects of lead-free perovskite-inspired materials for photovoltaic applications. Energy and Environmental Science, 2020, 13, 4691-4716.	15.6	47
48	Ensuring editorial continuity and quality of science during the COVID-19 storm: the ICM experience. Intensive Care Medicine, 2020, 46, 1918-1920.	3.9	2
49	Organâ€Restricted Vascular Delivery of Nanoparticles for Lung Cancer Therapy. Advanced Therapeutics, 2020, 3, 2000017.	1.6	7
50	Influence of quality of intensive care on quality of life/return to work in survivors of the acute respiratory distress syndrome: prospective observational patient cohort study (DACAPO). BMC Public Health, 2020, 20, 861.	1.2	18
51	Particle-Size-Dependent Delivery of Antitumoral miRNA Using Targeted Mesoporous Silica Nanoparticles. Pharmaceutics, 2020, 12, 505.	2.0	27
52	How photocorrosion can trick you: a detailed study on low-bandgap Li doped CuO photocathodes for solar hydrogen production. Nanoscale, 2020, 12, 7766-7775.	2.8	18
53	Formation of stable 2D methylammonium antimony iodide phase for lead-free perovskite-like solar cells[*]. JPhys Energy, 2020, 2, 024007.	2.3	13
54	Nanocelluloseâ€Mediated Transition of Lithiumâ€Rich Pseudoâ€Quaternary Metal Oxide Nanoparticles into Lithium Nickel Cobalt Manganese Oxide (NCM) Nanostructures. ChemNanoMat, 2020, 6, 618-628.	1.5	1

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55	When more could be industry-driven: the case of the extracorporeal treatment of sepsis. Intensive Care Medicine, 2019, 45, 1622-1625.	3.9	6
56	Focus on long-term cognitive, psychological and physical impairments after critical illness. Intensive Care Medicine, 2019, 45, 1466-1468.	3.9	20
57	Building Single-Layer Titania Mesopores One by One. Matter, 2019, 1, 306-308.	5.0	1
58	Tin Oxide Based Nanomaterials and Their Application as Anodes in Lithiumâ€ion Batteries and Beyond. ChemSusChem, 2019, 12, 4140-4159.	3.6	82
59	Carbon-templated conductive oxide supports for oxygen evolution catalysis. Nanoscale, 2019, 11, 14285-14293.	2.8	12
60	Flexible freestanding MoS₂-based composite paper for energy conversion and storage. Beilstein Journal of Nanotechnology, 2019, 10, 1488-1496.	1.5	8
61	Switching on and off Interlayer Correlations and Porosity in 2D Covalent Organic Frameworks. Journal of the American Chemical Society, 2019, 141, 12570-12581.	6.6	130
62	Propagation of Holes and Electrons in Metalâ€“Organic Frameworks. Journal of Chemical Information and Modeling, 2019, 59, 5057-5064.	2.5	12
63	A highly crystalline anthracene-based MOF-74 series featuring electrical conductivity and luminescence. Nanoscale, 2019, 11, 20949-20955.	2.8	53
64	Perylene-Based Covalent Organic Frameworks for Acid Vapor Sensing. Journal of the American Chemical Society, 2019, 141, 15693-15699.	6.6	212
65	Nanosized Lithium-Rich Cobalt Oxide Particles and Their Transformation to Lithium Cobalt Oxide Cathodes with Optimized High-Rate Morphology. Chemistry of Materials, 2019, 31, 8685-8694.	3.2	10
66	Covalent Organic Framework Films through Electrophoretic Depositionâ€”Creating Efficient Morphologies for Catalysis. Chemistry of Materials, 2019, 31, 10008-10016.	3.2	63
67	Highly active enzymes immobilized in large pore colloidal mesoporous silica nanoparticles. New Journal of Chemistry, 2019, 43, 1671-1680.	1.4	41
68	Excited-State Dynamics in Fully Conjugated 2D Covalent Organic Frameworks. Journal of the American Chemical Society, 2019, 141, 11565-11571.	6.6	89
69	Temperature-Dependent Ambipolar Charge Carrier Mobility in Large-Crystal Hybrid Halide Perovskite Thin Films. ACS Applied Materials & Interfaces, 2019, 11, 20838-20844.	4.0	49
70	Oriented Thin Films of Electroactive Triphenylene Catecholate-Based Two-Dimensional Metalâ€“Organic Frameworks. ACS Nano, 2019, 13, 6711-6719.	7.3	101
71	Degradable Drug Carriers: Vanishing Mesoporous Silica Nanoparticles. Chemistry of Materials, 2019, 31, 4364-4378.	3.2	95
72	A Chemiluminescent Metalâ€“Organic Framework. Chemistry - A European Journal, 2019, 25, 6349-6354.	1.7	27

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73	Universal Nanoparticle Wetting Agent for Upscaling Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 12948-12957.	4.0	22
74	Shedding Light on the Moisture Stability of 3D/2D Hybrid Perovskite Heterojunction Thin Films. ACS Applied Energy Materials, 2019, 2, 1011-1018.	2.5	56
75	Scaffold-Induced Diketopyrrolopyrrole Molecular Stacks in a Covalent Organic Framework. Chemistry of Materials, 2019, 31, 2707-2712.	3.2	33
76	Perovskite solar cells with a hybrid electrode structure. AIP Advances, 2019, 9, 125037.	0.6	16
77	Dibenzochrysene enables tightly controlled docking and stabilizes photoexcited states in dual-pore covalent organic frameworks. Nanoscale, 2019, 11, 23338-23345.	2.8	26
78	Cobalt-Catalyzed Electrophilic Aminations with Anthranils: An Expedient Route to Condensed Quinolines. Journal of the American Chemical Society, 2019, 141, 98-103.	6.6	84
79	Single-crystal-like optoelectronic-properties of MAPbI₃ perovskite polycrystalline thin films. Journal of Materials Chemistry A, 2018, 6, 4822-4828.	5.2	46
80	Grain Boundaries Act as Solid Walls for Charge Carrier Diffusion in Large Crystal MAPI Thin Films. ACS Applied Materials & Interfaces, 2018, 10, 7974-7981.	4.0	40
81	Understanding the Role of Cesium and Rubidium Additives in Perovskite Solar Cells: Trap States, Charge Transport, and Recombination. Advanced Energy Materials, 2018, 8, 1703057.	10.2	184
82	Clickable Multifunctional Large-Pore Mesoporous Silica Nanoparticles as Nanocarriers. Chemistry of Materials, 2018, 30, 644-654.	3.2	34
83	Quality of inter-hospital transportation in 431 transport survivor patients suffering from acute respiratory distress syndrome referred to specialist centers. Annals of Intensive Care, 2018, 8, 5.	2.2	19
84	Making Ultrafast Highâ€Capacity Anodes for Lithiumâ€Ion Batteries via Antimony Doping of Nanosized Tin Oxide/Graphene Composites. Advanced Functional Materials, 2018, 28, 1706529.	7.8	31
85	Influence of Fermi Level Alignment with Tin Oxide on the Hysteresis of Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 11414-11419.	4.0	79
86	On-Surface Synthesis of Highly Oriented Thin Metalâ€“Organic Framework Films through Vapor-Assisted Conversion. Journal of the American Chemical Society, 2018, 140, 4812-4819.	6.6	144
87	RÃ¶hrenfÃ¶rmige Selbstorganisation kovalenter organischer Netzwerke. Angewandte Chemie, 2018, 130, 856-860.	1.6	28
88	Microtubular Selfâ€Assembly of Covalent Organic Frameworks. Angewandte Chemie - International Edition, 2018, 57, 846-850.	7.2	158
89	Oriented Films of Conjugated 2D Covalent Organic Frameworks as Photocathodes for Water Splitting. Journal of the American Chemical Society, 2018, 140, 2085-2092.	6.6	320
90	Covalent Organic Frameworks: Structures, Synthesis, and Applications. Advanced Functional Materials, 2018, 28, 1705553.	7.8	892

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91	New Generation Hole Transporting Materials for Perovskite Solar Cells: Amideâ€Based Smallâ€Molecules with Nonconjugated Backbones. Advanced Energy Materials, 2018, 8, 1801605.	10.2	78
92	Enforcing Extended Porphyrin J-Aggregate Stacking in Covalent Organic Frameworks. Journal of the American Chemical Society, 2018, 140, 16544-16552.	6.6	123
93	Electroactive Metalorganic Frameworks. Israel Journal of Chemistry, 2018, 58, 1089-1101.	1.0	25
94	Nanoparticle mediated delivery and small molecule triggered activation of proteins in the nucleus. Nucleus, 2018, 9, 530-542.	0.6	5
95	Why Tinâ€Doping Enhances the Efficiency of Hematite Photoanodes for Water Splittingâ€”The Full Picture. Advanced Functional Materials, 2018, 28, 1804472.	7.8	53
96	Solvatochromic covalent organic frameworks. Nature Communications, 2018, 9, 3802.	5.8	171
97	Identifying and controlling phase purity in 2D hybrid perovskite thin films. Journal of Materials Chemistry A, 2018, 6, 22215-22225.	5.2	59
98	Electronâ€Blocking and Oxygen Evolution Catalyst Layers by Plasmaâ€Enhanced Atomic Layer Deposition of Nickel Oxide. Advanced Materials Interfaces, 2018, 5, 1701531.	1.9	18
99	Hydrazone-based hole transporting material prepared via condensation chemistry as alternative for cross-coupling chemistry for perovskite solar cells. Molecular Systems Design and Engineering, 2018, 3, 734-740.	1.7	19
100	Light-emitting electrochemical cells based on inorganic metal halide perovskite nanocrystals. Journal Physics D: Applied Physics, 2018, 51, 334001.	1.3	32
101	Biocompatible crosslinked Î²-cyclodextrin nanoparticles as multifunctional carriers for cellular delivery. Nanoscale, 2018, 10, 16284-16292.	2.8	25
102	Nickel Oxide: Electron-Blocking and Oxygen Evolution Catalyst Layers by Plasma-Enhanced Atomic Layer Deposition of Nickel Oxide (Adv. Mater. Interfaces 16/2018). Advanced Materials Interfaces, 2018, 5, 1870079.	1.9	0
103	Directional Charge-Carrier Transport in Oriented Benzodithiophene Covalent Organic Framework Thin Films. ACS Nano, 2017, 11, 2706-2713.	7.3	117
104	Multifunctional Nanoparticles by Coordinative Self-Assembly of His-Tagged Units with Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2017, 139, 2359-2368.	6.6	171
105	Rock Salt Ni/Co Oxides with Unusual Nanoscaleâ€Stabilized Composition as Water Splitting Electrocatalysts. Advanced Functional Materials, 2017, 27, 1605121.	7.8	72
106	Dual absorber Fe₂O₃/WO₃host-guest architectures for improved charge generation and transfer in photoelectrochemical applications. Materials Research Express, 2017, 4, 016409.	0.8	23
107	A biomolecule-assisted, cost-efficient route for growing tunable CuInS₂ films for green energy application. RSC Advances, 2017, 7, 20219-20230.	1.7	12
108	Controlling crystal growth by chloride-assisted synthesis: Towards optimized charge transport in hybrid halide perovskites. Solar Energy Materials and Solar Cells, 2017, 166, 269-275.	3.0	8

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109	Adsorption and Reactive Desorption on Metalâ€“Organic Frameworks: A Direct Strategy for Lactic Acid Recovery. ChemSusChem, 2017, 10, 643-650.	3.6	17
110	Outcome of acute respiratory distress syndrome in university and non-university hospitals in Germany. Critical Care, 2017, 21, 122.	2.5	28
111	Pore wall fluorescence labeling of covalent organic frameworks. CrystEngComm, 2017, 19, 4886-4891.	1.3	30
112	In Situ Study of Degradation in P3HTâ€“Titania-Based Solid-State Dye-Sensitized Solar Cells. ACS Energy Letters, 2017, 2, 991-997.	8.8	23
113	Synthesis of Hybrid Tin Halide Perovskite Solar Cells with Less Hazardous Solvents: Methanol and 1,4â€Dioxane. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1704-1711.	0.6	19
114	Charge Transport Limitations in Perovskite Solar Cells: The Effect of Charge Extraction Layers. ACS Applied Materials & Interfaces, 2017, 9, 37655-37661.	4.0	30
115	Spectrally Switchable Photodetection with Near-Infrared-Absorbing Covalent Organic Frameworks. Journal of the American Chemical Society, 2017, 139, 12035-12042.	6.6	181
116	Perovskite Solar Cells: Capturing the Sun: A Review of the Challenges and Perspectives of Perovskite Solar Cells (Adv. Energy Mater. 16/2017). Advanced Energy Materials, 2017, 7, .	10.2	3
117	Impact of Rubidium and Cesium Cations on the Moisture Stability of Multiple-Cation Mixed-Halide Perovskites. ACS Energy Letters, 2017, 2, 2212-2218.	8.8	167
118	Highly stable, phase pure Cs₂AgBiBr₆ double perovskite thin films for optoelectronic applications. Journal of Materials Chemistry A, 2017, 5, 19972-19981.	5.2	509
119	Synthesis and Functionalization of Ordered Largeâ€Pore Mesoporous Silica Nanoparticles for Biomedical Applications. Chemie-Ingenieur-Technik, 2017, 89, 876-886.	0.4	7
120	In situ study of spray deposited titania photoanodes for scalable fabrication of solid-state dye-sensitized solar cells. Nano Energy, 2017, 40, 317-326.	8.2	35
121	Preparation of Polyfunctional Naphthyridines by Cobalt-Catalyzed Cross-Couplings of Halogenated Naphthyridines with Magnesium and Zinc Organometallics. Organic Letters, 2017, 19, 6384-6387.	2.4	17
122	Design rules for the preparation of low-cost hole transporting materials for perovskite solar cells with moisture barrier properties. Journal of Materials Chemistry A, 2017, 5, 25200-25210.	5.2	49
123	Capturing the Sun: A Review of the Challenges and Perspectives of Perovskite Solar Cells. Advanced Energy Materials, 2017, 7, 1700264.	10.2	295
124	Photoactive and Conducting Covalent Organic Frameworks. Advanced Energy Materials, 2017, 7, 1700387.	10.2	168
125	Nonagglomerated Iron Oxyhydroxide Akaganeite Nanocrystals Incorporating Extraordinary High Amounts of Different Dopants. Chemistry of Materials, 2017, 29, 7223-7233.	3.2	6
126	Oligothiophene-Bridged Conjugated Covalent Organic Frameworks. Journal of the American Chemical Society, 2017, 139, 8194-8199.	6.6	121

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127	Talented Mesoporous Silica Nanoparticles. Chemistry of Materials, 2017, 29, 371-388.	3.2	181
128	Validating Metalâ€Organic Framework Nanoparticles for Their Nanosafety in Diverse Biomedical Applications. Advanced Healthcare Materials, 2017, 6, 1600818.	3.9	137
129	Zinc Ferrite Photoanode Nanomorphologies with Favorable Kinetics for Waterâ€Splitting. Advanced Functional Materials, 2016, 26, 4435-4443.	7.8	99
130	Control of Perovskite Crystal Growth by Methylammonium Lead Chloride Templating. Chemistry - an Asian Journal, 2016, 11, 1199-1204.	1.7	28
131	Synchronized Offset Stacking: A Concept for Growing Large-Domain and Highly Crystalline 2D Covalent Organic Frameworks. Journal of the American Chemical Society, 2016, 138, 16703-16710.	6.6	199
132	Intracellular chromobody delivery by mesoporous silica nanoparticles for antigen targeting and visualization in real time. Scientific Reports, 2016, 6, 25019.	1.6	37
133	Hybrid Perovskite/Perovskite Heterojunction Solar Cells. ACS Nano, 2016, 10, 5999-6007.	7.3	276
134	Nanoscale Synthesis of Two Porphyrin-Based MOFs with Gallium and Indium. Inorganic Chemistry, 2016, 55, 5312-5319.	1.9	37
135	Synthesis of Perfectly Oriented and Micrometer-Sized MAPbBr₃ Perovskite Crystals for Thin-Film Photovoltaic Applications. ACS Energy Letters, 2016, 1, 150-154.	8.8	103
136	Recycling Perovskite Solar Cells To Avoid Lead Waste. ACS Applied Materials & Interfaces, 2016, 8, 12881-12886.	4.0	176
137	Imparting Functionality to MOF Nanoparticles by External Surface Selective Covalent Attachment of Polymers. Chemistry of Materials, 2016, 28, 3318-3326.	3.2	218
138	Associations between ventilator settings during extracorporeal membrane oxygenation for refractory hypoxemia and outcome in patients with acute respiratory distress syndrome: a pooled individual patient data analysis. Intensive Care Medicine, 2016, 42, 1672-1684.	3.9	176
139	Toward Tailored Film Morphologies: The Origin of Crystal Orientation in Hybrid Perovskite Thin Films. Advanced Materials Interfaces, 2016, 3, 1600403.	1.9	67
140	Spray Deposition of Titania Films with Incorporated Crystalline Nanoparticles for Allâ€Solidâ€State Dyeâ€Sensitized Solar Cells Using P3HT. Advanced Functional Materials, 2016, 26, 1498-1506.	7.8	53
141	Synthesis and Reactivity of Triazaphenanthrenes. Organic Letters, 2016, 18, 3158-3161.	2.4	10
142	A Long-Term View on Perovskite Optoelectronics. Accounts of Chemical Research, 2016, 49, 339-346.	7.6	189
143	Highly efficient siRNA delivery from coreâ€“shell mesoporous silica nanoparticles with multifunctional polymer caps. Nanoscale, 2016, 8, 4007-4019.	2.8	97
144	Contactless Visualization of Fast Charge Carrier Diffusion in Hybrid Halide Perovskite Thin Films. ACS Photonics, 2016, 3, 255-261.	3.2	26

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145	Immune response to functionalized mesoporous silica nanoparticles for targeted drug delivery. Nanoscale, 2016, 8, 938-948.	2.8	93
146	Dendronized mesoporous silica nanoparticles provide an internal endosomal escape mechanism for successful cytosolic drug release. Microporous and Mesoporous Materials, 2016, 227, 242-251.	2.2	16
147	Functionalizations of Mixtures of Regioisomeric Aryllithium Compounds by Selective Trapping with Dichlorozirconocene. Angewandte Chemie - International Edition, 2016, 55, 401-404.	7.2	15
148	A Selective Mucin/Methylcellulose Hybrid Gel with Tailored Mechanical Properties. Macromolecular Bioscience, 2016, 16, 567-579.	2.1	28
149	Genetically designed biomolecular capping system for mesoporous silica nanoparticles enables receptor-mediated cell uptake and controlled drug release. Nanoscale, 2016, 8, 8101-8110.	2.8	23
150	Passivation of PbS Quantum Dot Surface with <scp>l</scp>-Glutathione in Solid-State Quantum-Dot-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 4600-4607.	4.0	22
151	Molecular docking sites designed for the generation of highly crystalline covalent organic frameworks. Nature Chemistry, 2016, 8, 310-316.	6.6	436
152	Nanostructured Ternary FeCrAl Oxide Photocathodes for Water Photoelectrolysis. Journal of the American Chemical Society, 2016, 138, 1860-1867.	6.6	11
153	Lipid bilayer-coated curcumin-based mesoporous organosilica nanoparticles for cellular delivery. Microporous and Mesoporous Materials, 2016, 225, 371-377.	2.2	46
154	Applicability of avidin protein coated mesoporous silica nanoparticles as drug carriers in the lung. Nanoscale, 2016, 8, 8058-8069.	2.8	36
155	Extracorporeal membrane oxygenation: evolving epidemiology and mortality. Intensive Care Medicine, 2016, 42, 889-896.	3.9	382
156	From benzodithiophene to diethoxy-benzodithiophene covalent organic frameworks â€“ structural investigations. CrystEngComm, 2016, 18, 4295-4302.	1.3	27
157	From Highly Crystalline to Outer Surface-Functionalized Covalent Organic Frameworksâ€”A Modulation Approach. Journal of the American Chemical Society, 2016, 138, 1234-1239.	6.6	147
158	Sequential Pore Wall Modification in a Covalent Organic Framework for Application in Lactic Acid Adsorption. Chemistry of Materials, 2016, 28, 626-631.	3.2	189
159	Efficient functionalization of mesoporous MCM-41 with aromatic organo-lithium reagents. Microporous and Mesoporous Materials, 2016, 223, 219-224.	2.2	2
160	Influence of quality of care and individual patient characteristics on quality of life and return to work in survivors of the acute respiratory distress syndrome: protocol for a prospective, observational, multi-centre patient cohort study (DACAPO). BMC Health Services Research, 2015, 15, 563.	0.9	18
161	A Highlyâ€Ordered 3D Covalent Fullerene Framework. Angewandte Chemie - International Edition, 2015, 54, 7577-7581.	7.2	19
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500	2D/3D Hybrid Cs2AgBiBr6 Double Perovskite Solar Cells: Improved Energy Level Alignment for Higher Contact-Selectivity and Large Open Circuit Voltage. , 0, , .		0
501	Silver-Bismuth based 2D Double Perovskites (4FPEA)4AgBiX8 (X=Cl, Br, I): Highly Oriented Thin Films with Large Domain Sizes and Ultrafast Charge-Carrier Localization. , 0, , .		0