

Maarten B J Roeffaers

List of Publications by Year in descending order

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209
papers

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22099

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times ranked

14930
citing authors

#	ARTICLE	IF	CITATIONS
1	Planar heterojunction boosts solar-driven photocatalytic performance and stability of halide perovskite solar photocatalyst cell. <i>Applied Catalysis B: Environmental</i> , 2022, 301, 120760.	10.8	33
2	Micelle Formation inside Zeolites: A Critical Step in Zeolite Surfactant-Templating Observed by Raman Microspectroscopy. , 2022, 4, 49-54.		3
3	Metal-organic frameworks (BioMOFs): a novel approach for green-optoelectronic applications. <i>Chemical Communications</i> , 2022, 58, 677-680.	2.2	7
4	Spatial Heterogeneity of n-Phases Leads to Different Photophysical Properties in Quasi-Two-Dimensional Methylammonium Lead Bromide Perovskite. <i>Journal of Physical Chemistry C</i> , 2022, 126, 478-486.	1.5	4
5	Photocatalytic Anaerobic Oxidation of Aromatic Alcohols Coupled With H ₂ Production Over CsPbBr ₃ /GO-Pt Catalysts. <i>Frontiers in Chemistry</i> , 2022, 10, 833784.	1.8	8
6	Metal Halide Perovskite Based Heterojunction Photocatalysts. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	48
7	Metal Halide Perovskite Based Heterojunction Photocatalysts. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	11
8	S-scheme CoTiO ₃ /Cd _{0.51} Zn _{0.49} S ₁₀ heterostructures for visible-light driven photocatalytic CO ₂ reduction. <i>Journal of Materials Science and Technology</i> , 2022, 124, 164-170.	5.6	83
9	Photothermal Suzuki Coupling Over a Metal Halide Perovskite/Pd Nanocube Composite Catalyst. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 17185-17194.	4.0	23
10	Solar Photocatalytic Oxidation of Methane to Methanol with Water over RuO _x /ZnO/CeO ₂ Nanorods. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 16-22.	3.2	30
11	Solar-to-Chemical Fuel Conversion via Metal Halide Perovskite Solar-Driven Electrocatalysis. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 25-41.	2.1	10
12	Multiscale Visualization and Quantification of the Effect of Binders on the Acidity of Shaped Zeolites. <i>ACS Catalysis</i> , 2022, 12, 6794-6808.	5.5	9
13	Atomic-scale detection of individual lead clusters confined in Linde Type A zeolites. <i>Nanoscale</i> , 2022, 14, 9323-9330.	2.8	2
14	Label-free detection and size estimation of combustion-derived carbonaceous particles in a microfluidic approach. <i>Nanoscale Advances</i> , 2022, 4, 3272-3281.	2.2	3
15	Photocatalytic Anaerobic Dehydrogenation of Alcohols over Metal Halide Perovskites: A New Acid-Free Scheme for H ₂ Production. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 6559-6565.	2.1	10
16	Controlled graphite surface functionalization using contact and remote photocatalytic oxidation. <i>Carbon</i> , 2021, 172, 637-646.	5.4	9
17	Fluorescence-assisted real-time study of magnetically immobilized enzyme stability in a crossflow membrane bioreactor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 610, 125687.	2.3	0
18	Covalent graphite modification by low-temperature photocatalytic oxidation using a titanium dioxide thin film prepared by atomic layer deposition. <i>Catalysis Science and Technology</i> , 2021, 11, 6724-6731.	2.1	1

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19	Unique emissive behavior of combustion-derived particles under illumination with femtosecond pulsed near-infrared laser light. <i>Nanoscale Advances</i> , 2021, 3, 5355-5362.	2.2	6
20	Texture Formation in Polycrystalline Thin Films of All-Inorganic Lead Halide Perovskite. <i>Advanced Materials</i> , 2021, 33, e2007224.	11.1	18
21	Visualizing light-induced dynamic structural transformations of Au clusters-based photocatalyst via in situ TEM. <i>Nano Research</i> , 2021, 14, 2805-2809.	5.8	24
22	Self-Sealing thermoplastic fluoroelastomer enables rapid fabrication of modular microreactors. <i>Nano Select</i> , 2021, 2, 1385-1402.	1.9	3
23	Challenges and Opportunities for CsPbBr ₃ Perovskites in Low- and High-Energy Radiation Detection. <i>ACS Energy Letters</i> , 2021, 6, 1290-1314.	8.8	80
24	Dual-Channel Charge Carrier Transfer in CsPbX ₃ Perovskite/W ₁₈ O ₄₉ Composites for Selective Photocatalytic Benzyl Alcohol Oxidation. <i>ACS Applied Energy Materials</i> , 2021, 4, 3460-3468.	2.5	19
25	Inentitelbild: Chemical Imaging of Hierarchical Porosity Formation within a Zeolite Crystal Visualized by Small-Angle X-Ray Scattering and In-Situ Fluorescence Microscopy (<i>Angew. Chem.</i> 25/2021). <i>Angewandte Chemie</i> , 2021, 133, 13802-13802.	1.6	0
26	Experimental Evidence of Chloride-Induced Trap Passivation in Lead Halide Perovskites through Single Particle Blinking Studies. <i>Advanced Optical Materials</i> , 2021, 9, 2002240.	3.6	8
27	Synergistic Redox Reaction for Value-Added Organic Transformation via Dual-Functional Photocatalytic Systems. <i>ACS Catalysis</i> , 2021, 11, 4613-4632.	5.5	69
28	Chemical Imaging of Hierarchical Porosity Formation within a Zeolite Crystal Visualized by Small-Angle X-Ray Scattering and In-Situ Fluorescence Microscopy. <i>Angewandte Chemie</i> , 2021, 133, 13922-13925.	1.6	2
29	Chemical Imaging of Hierarchical Porosity Formation within a Zeolite Crystal Visualized by Small-Angle X-Ray Scattering and In-Situ Fluorescence Microscopy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13803-13806.	7.2	9
30	Label-free detection of uptake, accumulation, and translocation of diesel exhaust particles in ex vivo perfused human placenta. <i>Journal of Nanobiotechnology</i> , 2021, 19, 144.	4.2	13
31	Impact of Amine Additives on Perovskite Precursor Aging: A Case Study of Light-Emitting Diodes. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 5836-5843.	2.1	6
32	State of the Art and Prospects for Halide Perovskite Nanocrystals. <i>ACS Nano</i> , 2021, 15, 10775-10981.	7.3	705
33	The Hole-Tunneling Heterojunction of Hematite-Based Photoanodes Accelerates Photosynthetic Reaction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16009-16018.	7.2	37
34	All-Evaporated, All-Inorganic CsPbI ₃ Perovskite-Based Devices for Broad-Band Photodetector and Solar Cell Applications. <i>ACS Applied Electronic Materials</i> , 2021, 3, 3023-3033.	2.0	12
35	Tunable Luminescence from Stable Silver Nanoclusters Confined in Microporous Zeolites. <i>Advanced Optical Materials</i> , 2021, 9, 2100526.	3.6	12
36	The Hole-Tunneling Heterojunction of Hematite-Based Photoanodes Accelerates Photosynthetic Reaction. <i>Angewandte Chemie</i> , 2021, 133, 16145-16154.	1.6	2

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37	Trojans That Flip the Black Phase: Impurity-Driven Stabilization and Spontaneous Strain Suppression in $\text{I}^3\text{-CsPbI}_3$ Perovskite. <i>Journal of the American Chemical Society</i> , 2021, 143, 10500-10508.	6.6	33
38	Manipulating crystallization dynamics through chelating molecules for bright perovskite emitters. <i>Nature Communications</i> , 2021, 12, 4831.	5.8	56
39	Ultrathin 2D/2D $\text{Ti}_3\text{C}_2\text{T}_x$ /semiconductor dual-functional photocatalysts for simultaneous imine production and H_2 evolution. <i>Journal of Materials Chemistry A</i> , 2021, 9, 19984-19993.	5.2	40
40	Highly Mobile Large Polarons in Black Phase CsPbI_3 . <i>ACS Energy Letters</i> , 2021, 6, 568-573.	8.8	40
41	Two-dimensional perovskites with alternating cations in the interlayer space for stable light-emitting diodes. <i>Nanophotonics</i> , 2021, 10, 2145-2156.	2.9	17
42	Optical encoding of luminescent carbon nanodots in confined spaces. <i>Chemical Communications</i> , 2021, 57, 11952-11955.	2.2	1
43	Reply to "Fetal side" of the placenta: Anatomical mis-annotation of carbon particle "transfer" across the human placenta. <i>Nature Communications</i> , 2021, 12, 7050.	5.8	6
44	It's a trap! On the nature of localised states and charge trapping in lead halide perovskites. <i>Materials Horizons</i> , 2020, 7, 397-410.	6.4	345
45	Edge stabilization in reduced-dimensional perovskites. <i>Nature Communications</i> , 2020, 11, 170.	5.8	147
46	Silica gel solid nanocomposite electrolytes with interfacial conductivity promotion exceeding the bulk Li-ion conductivity of the ionic liquid electrolyte filler. <i>Science Advances</i> , 2020, 6, eaav3400.	4.7	51
47	Subsurface Defect Engineering in Single-Unit-Cell Bi_2WO_6 Monolayers Boosts Solar-Driven Photocatalytic Performance. <i>ACS Catalysis</i> , 2020, 10, 1439-1443.	5.5	138
48	Highly Luminescent Metal Clusters Confined in Zeolites. <i>Structure and Bonding</i> , 2020, , 75-103.	1.0	5
49	Efficient Photocatalytic CO_2 Reduction with MIL-100(Fe)- CsPbBr_3 Composites. <i>Catalysts</i> , 2020, 10, 1352.	1.6	23
50	Resolving the Acid Site Distribution in Zn-Exchanged ZSM-5 with Stimulated Raman Scattering Microscopy. <i>Catalysts</i> , 2020, 10, 1331.	1.6	7
51	Correlating Acid Site Distribution and Catalytic Activity in Dealuminated Mordenite at the Single-Particle Level. <i>ACS Catalysis</i> , 2020, 10, 14801-14809.	5.5	10
52	Monitoring indoor exposure to combustion-derived particles using plants. <i>Environmental Pollution</i> , 2020, 266, 115261.	3.7	4
53	Incorporation of Cesium Lead Halide Perovskites into $\text{g-C}_3\text{N}_4$ for Photocatalytic CO_2 Reduction. <i>ACS Omega</i> , 2020, 5, 24495-24503.	1.6	28
54	Tuning the Structural and Optoelectronic Properties of $\text{Cs}_2\text{AgBiBr}_6$ Double-Perovskite Single Crystals through Alkali-Metal Substitution. <i>Advanced Materials</i> , 2020, 32, e2001878.	11.1	72

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55	Phase Transitions and Anion Exchange in All-Inorganic Halide Perovskites. <i>Accounts of Materials Research</i> , 2020, 1, 3-15.	5.9	67
56	X-ray-Induced Growth Dynamics of Luminescent Silver Clusters in Zeolites. <i>Small</i> , 2020, 16, e2002063.	5.2	14
57	Arabinoxylan, Î-glucan and pectin in barley and malt endosperm cell walls: a microstructure study using CLSM and cryo-SEM. <i>Plant Journal</i> , 2020, 103, 1477-1489.	2.8	22
58	Direct Z-Scheme Heterojunction of Semicoherent FAPbBr ₃ /Bi ₂ WO ₆ Interface for Photoredox Reaction with Large Driving Force. <i>ACS Nano</i> , 2020, 14, 16689-16697.	7.3	167
59	Energy-Efficient Ammonia Production from Air and Water Using Electrocatalysts with Limited Faradaic Efficiency. <i>ACS Energy Letters</i> , 2020, 5, 1124-1127.	8.8	29
60	Solar-Driven Metal Halide Perovskite Photocatalysis: Design, Stability, and Performance. <i>ACS Energy Letters</i> , 2020, 5, 1107-1123.	8.8	400
61	Actomyosin-dependent invasion of endothelial sprouts in collagen. <i>Cytoskeleton</i> , 2020, 77, 261-276.	1.0	2
62	Fast quantitative time lapse displacement imaging of endothelial cell invasion. <i>PLoS ONE</i> , 2020, 15, e0227286.	1.1	7
63	Matrix deformations around angiogenic sprouts correlate to sprout dynamics and suggest pulling activity. <i>Angiogenesis</i> , 2020, 23, 315-324.	3.7	40
64	Tunable white emission of silver-sulfur-zeolites as single-phase LED phosphors. <i>Methods and Applications in Fluorescence</i> , 2020, 8, 024004.	1.1	9
65	Material properties determining insecticidal activity of activated carbon on the pharaoh ant (<i>Monomorium pharaonis</i>). <i>Journal of Pest Science</i> , 2019, 92, 643-652.	1.9	4
66	Single-Step Synthesis of Dual Phase Bright Blue-Green Emitting Lead Halide Perovskite Nanocrystal Thin Films. <i>Chemistry of Materials</i> , 2019, 31, 6824-6832.	3.2	26
67	Role of Electron-Phonon Coupling in the Thermal Evolution of Bulk Rashba-Like Spin-Split Lead Halide Perovskites Exhibiting Dual-Band Photoluminescence. <i>ACS Energy Letters</i> , 2019, 4, 2205-2212.	8.8	58
68	Low-temperature activation of carbon black by selective photocatalytic oxidation. <i>Nanoscale Advances</i> , 2019, 1, 2873-2880.	2.2	14
69	Thermal nonequilibrium of strained black CsPbI ₃ thin films. <i>Science</i> , 2019, 365, 679-684.	6.0	444
70	Correlated super-resolution fluorescence and electron microscopy reveals the catalytically active nanorods within individual H-ZSM-22 zeolite particles. <i>Catalysis Science and Technology</i> , 2019, 9, 4645-4650.	2.1	10
71	Nanocarrier systems assembled from PEGylated hyperbranched poly(arylene oxindole). <i>European Polymer Journal</i> , 2019, 119, 247-259.	2.6	7
72	A unique recipe for glass beads at Iron Age Sardis. <i>Journal of Archaeological Science</i> , 2019, 108, 104974.	1.2	9

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73	Vapor-Phase Linker Exchange of the Metal-Organic Framework ZIF-8: A Solvent-Free Approach to Post-synthetic Modification. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18471-18475.	7.2	42
74	Hot-Electron Tunneling of Metal-Insulator-COF Nanostructures for Efficient Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18290-18294.	7.2	138
75	Vapor-Phase Linker Exchange of the Metal-Organic Framework ZIF-8: A Solvent-Free Approach to Post-synthetic Modification. <i>Angewandte Chemie</i> , 2019, 131, 18642-18646.	1.6	14
76	Ambient black carbon particles reach the fetal side of human placenta. <i>Nature Communications</i> , 2019, 10, 3866.	5.8	383
77	Indirect tail states formation by thermal-induced polar fluctuations in halide perovskites. <i>Nature Communications</i> , 2019, 10, 484.	5.8	88
78	Crosslinked Polyvinylbornene-Based Membranes as a New Class of Solvent-Resistant Nanofiltration Membranes. <i>Journal of Polymer Science Part A</i> , 2019, 57, 1593-1600.	2.5	4
79	A Titanium(IV)-Based Metal-Organic Framework Featuring Defect-Rich TiO Sheets as an Oxidative Desulfurization Catalyst. <i>Angewandte Chemie</i> , 2019, 131, 9258-9263.	1.6	37
80	Polyvinylbornene Gas Separation Membranes. <i>Polymers</i> , 2019, 11, 704.	2.0	14
81	A Titanium(IV)-Based Metal-Organic Framework Featuring Defect-Rich TiO Sheets as an Oxidative Desulfurization Catalyst. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9160-9165.	7.2	99
82	Tracking Structural Phase Transitions in Lead-Halide Perovskites by Means of Thermal Expansion. <i>Advanced Materials</i> , 2019, 31, e1900521.	11.1	88
83	Silver Zeolite Composite-Based LEDs: Origin of Electroluminescence and Charge Transport. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 12179-12183.	4.0	14
84	A Facet-Specific Quantum Dot Passivation Strategy for Colloid Management and Efficient Infrared Photovoltaics. <i>Advanced Materials</i> , 2019, 31, e1805580.	11.1	87
85	Sunny Days for Perovskite Optoelectronics. <i>ChemNanoMat</i> , 2019, 5, 251-252.	1.5	0
86	Active Role of Methanol in Post-Synthetic Linker Exchange in the Metal-Organic Framework UiO-66. <i>Chemistry of Materials</i> , 2019, 31, 1359-1369.	3.2	43
87	Structural and Photophysical Characterization of Ag Clusters in LTA Zeolites. <i>Journal of Physical Chemistry C</i> , 2019, 123, 10630-10638.	1.5	25
88	Luminescent silver-lithium-zeolite phosphors for near-ultraviolet LED applications. <i>Journal of Materials Chemistry C</i> , 2019, 7, 14366-14374.	2.7	17
89	C(sp ³)-H Bond Activation by Perovskite Solar Photocatalyst Cell. <i>ACS Energy Letters</i> , 2019, 4, 203-208.	8.8	114
90	Efficient and Selective Photocatalytic Oxidation of Benzylic Alcohols with Hybrid Organic-Inorganic Perovskite Materials. <i>ACS Energy Letters</i> , 2018, 3, 755-759.	8.8	222

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91	Confinement of Highly Luminescent Lead Clusters in Zeolite A. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13953-13961.	1.5	24
92	Imaging Heterogeneously Distributed Photoactive Traps in Perovskite Single Crystals. <i>Advanced Materials</i> , 2018, 30, e1705494.	11.1	28
93	Rapid and label-free optical detection of individual carbon air pollutant nanoparticles in biomedical samples. <i>Journal of Biophotonics</i> , 2018, 11, e201700233.	1.1	3
94	Resolving the Framework Position of Organic Structure-Directing Agents in Hierarchical Zeolites via Polarized Stimulated Raman Scattering. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1778-1782.	2.1	14
95	Unravelling the Redox-catalytic Behavior of Ce ⁴⁺ Metal-Organic Frameworks by X-ray Absorption Spectroscopy. <i>ChemPhysChem</i> , 2018, 19, 373-378.	1.0	89
96	Correlating Catalyst Structure and Activity at the Nanoscale. <i>ChemNanoMat</i> , 2018, 4, 6-14.	1.5	12
97	Light- and Temperature-Modulated Magneto-Transport in Organic-Inorganic Lead Halide Perovskites. <i>ACS Energy Letters</i> , 2018, 3, 39-45.	8.8	15
98	Perovskite-Based Devices: Photophysical Pathways in Highly Sensitive Cs ₂ AgBiBr ₆ Double-Perovskite Single-Crystal X-Ray Detectors (<i>Adv. Mater.</i> 46/2018). <i>Advanced Materials</i> , 2018, 30, 1870353.	11.1	8
99	Reversible and Site-Dependent Proton-Transfer in Zeolites Uncovered at the Single-Molecule Level. <i>Journal of the American Chemical Society</i> , 2018, 140, 14195-14205.	6.6	22
100	Combustion-derived particles inhibit in vitro human lung fibroblast-mediated matrix remodeling. <i>Journal of Nanobiotechnology</i> , 2018, 16, 82.	4.2	9
101	Photophysical Pathways in Highly Sensitive Cs ₂ AgBiBr ₆ Double-Perovskite Single-Crystal X-ray Detectors. <i>Advanced Materials</i> , 2018, 30, e1804450.	11.1	173
102	The 2018 correlative microscopy techniques roadmap. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 443001.	1.3	99
103	Giant Electron-Phonon Coupling and Deep Conduction Band Resonance in Metal Halide Double Perovskite. <i>ACS Nano</i> , 2018, 12, 8081-8090.	7.3	190
104	Improving preservation state assessment of carbonate microfossils in paleontological research using label-free stimulated Raman imaging. <i>PLoS ONE</i> , 2018, 13, e0199695.	1.1	6
105	Highly Photoluminescent Sulfide Clusters Confined in Zeolites. <i>Journal of Physical Chemistry C</i> , 2018, 122, 14761-14770.	1.5	13
106	Shaping the Optical Properties of Silver Clusters Inside Zeolite A via Guest-Host-Guest Interactions. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5344-5350.	2.1	28
107	Origin of the bright photoluminescence of few-atom silver clusters confined in LTA zeolites. <i>Science</i> , 2018, 361, 686-690.	6.0	134
108	Atomic scale reversible opto-structural switching of few atom luminescent silver clusters confined in LTA zeolites. <i>Nanoscale</i> , 2018, 10, 11467-11476.	2.8	40

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109	The power of single molecule microscopy: from nanoparticle investigations to microbiome analysis. , 2018, , .		0
110	White-light from soot: closing the gap in the diagnostic market. , 2018, , .		0
111	Facile Morphologyâ€Controlled Synthesis of Organolead Iodide Perovskite Nanocrystals Using Binary Capping Agents. ChemNanoMat, 2017, 3, 223-227.	1.5	18
112	Silver Zeolite Compositesâ€Based LEDs: A Novel Solidâ€State Lighting Approach. Advanced Functional Materials, 2017, 27, 1606411.	7.8	30
113	Alternating Current Electrophoretic Deposition for the Immobilization of Antimicrobial Agents on Titanium Implant Surfaces. ACS Applied Materials & Interfaces, 2017, 9, 8533-8546.	4.0	21
114	Probing the Influence of SSZâ€13 Zeolite Pore Hierarchy in Methanolâ€toâ€Olefins Catalysis by Using Nanometer Accuracy by Stochastic Chemical Reactions Fluorescence Microscopy and Positron Emission Profiling. ChemCatChem, 2017, 9, 3470-3477.	1.8	19
115	Photopatterning of fluorescent hostâ€guest carriers through pore activation of metalâ€organic framework single crystals. Chemical Communications, 2017, 53, 7222-7225.	2.2	12
116	Superconducting Ferromagnetic Nanodiamond. ACS Nano, 2017, 11, 5358-5366.	7.3	25
117	3D full-field quantification of cell-induced large deformations in fibrillar biomaterials by combining non-rigid image registration with label-free second harmonic generation. Biomaterials, 2017, 136, 86-97.	5.7	24
118	Rationalizing Acid Zeolite Performance on the Nanoscale by Correlative Fluorescence and Electron Microscopy. ACS Catalysis, 2017, 7, 5234-5242.	5.5	19
119	Solvent Polarity-Induced Pore Selectivity in H-ZSM-5 Catalysis. ACS Catalysis, 2017, 7, 4248-4252.	5.5	24
120	Label-free carbon particulates detection in bio (medical) settings (Conference Presentation). , 2017, , .		0
121	Assessing Inter and Intraâ€particle Heterogeneity in Aluminaâ€poor Hâ€ZSMâ€5 Zeolites. ChemCatChem, 2017, 9, 3440-3445.	1.8	12
122	Surface acidâ€base catalytic activity of ZIF-8 revealed by super-resolution fluorescence microscopy. CrystEngComm, 2017, 19, 4162-4165.	1.3	20
123	Parts per Million Detection of Alcohol Vapors via Metal Organic Framework Functionalized Surface Plasmon Resonance Sensors. Analytical Chemistry, 2017, 89, 4480-4487.	3.2	40
124	Facet-Dependent Photoreduction on Single ZnO Crystals. Journal of Physical Chemistry Letters, 2017, 8, 340-346.	2.1	42
125	Single-Molecule Fluorescence Microscopy Reveals Local Diffusion Coefficients in the Pore Network of an Individual Catalyst Particle. Journal of the American Chemical Society, 2017, 139, 13632-13635.	6.6	70
126	Form Follows Function: Warming White LEDs Using Metal Cluster-Loaded Zeolites as Phosphors. ACS Energy Letters, 2017, 2, 2491-2497.	8.8	25

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127	Silver Clusters in Zeolites: From Self-Assembly to Ground-Breaking Luminescent Properties. <i>Accounts of Chemical Research</i> , 2017, 50, 2353-2361.	7.6	72
128	Direct Laser Writing of $\hat{\Gamma}^-$ to $\hat{\Gamma}^\pm$ -Phase Transformation in Formamidinium Lead Iodide. <i>ACS Nano</i> , 2017, 11, 8072-8083.	7.3	66
129	Highly controllable direct femtosecond laser writing of gold nanostructures on titanium dioxide surfaces. <i>Nanoscale</i> , 2017, 9, 13025-13033.	2.8	7
130	Adsorption and Separation of Aromatic Amino Acids from Aqueous Solutions Using Metal-Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 30064-30073.	4.0	35
131	Origin and Abatement of Heterogeneity at the Support Granule Scale of Silver on Silica Catalysts. <i>ChemCatChem</i> , 2017, 9, 4562-4569.	1.8	11
132	Children's Urinary Environmental Carbon Load. A Novel Marker Reflecting Residential Ambient Air Pollution Exposure?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 196, 873-881.	2.5	94
133	Photocatalysis assisted simultaneous carbon oxidation and NOx reduction. <i>Applied Catalysis B: Environmental</i> , 2017, 202, 381-387.	10.8	21
134	Fibrin structural and diffusional analysis suggests that fibers are permeable to solute transport. <i>Acta Biomaterialia</i> , 2017, 47, 25-39.	4.1	23
135	Zr-Based MOF-808 as Meerwein-Ponndorf-Verley Reduction Catalyst for Challenging Carbonyl Compounds. <i>Catalysts</i> , 2016, 6, 104.	1.6	52
136	Assessing Photocatalytic Activity at the Nanoscale Using Integrated Optical and Electron Microscopy. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 412-418.	1.2	14
137	Development and applications of nonlinear optical spectroscopy: 14th ECONOS/34th ECW meeting in Leuven (Belgium). <i>Journal of Raman Spectroscopy</i> , 2016, 47, 1109-1110.	1.2	1
138	Silver-induced reconstruction of an adeninate-based metal-organic framework for encapsulation of luminescent adenine-stabilized silver clusters. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4259-4268.	2.7	22
139	Biocompatible Label-Free Detection of Carbon Black Particles by Femtosecond Pulsed Laser Microscopy. <i>Nano Letters</i> , 2016, 16, 3173-3178.	4.5	44
140	Single Molecule Nanospectroscopy Visualizes Proton-Transfer Processes within a Zeolite Crystal. <i>Journal of the American Chemical Society</i> , 2016, 138, 13586-13596.	6.6	71
141	Photoluminescence Blinking of Single-Crystal Methylammonium Lead Iodide Perovskite Nanorods Induced by Surface Traps. <i>ACS Omega</i> , 2016, 1, 148-159.	1.6	76
142	Direct Observation of Luminescent Silver Clusters Confined in Faujasite Zeolites. <i>ACS Nano</i> , 2016, 10, 7604-7611.	7.3	58
143	Nanostructured Ag-zeolite Composites as Luminescence-based Humidity Sensors. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	4
144	Chemoselective reduction of $\hat{\Gamma}^\pm$, $\hat{\Gamma}^2$ -unsaturated carbonyl compounds with UiO-66 materials. <i>Journal of Catalysis</i> , 2016, 340, 136-143.	3.1	66

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145	Tuning the energetics and tailoring the optical properties of silver clusters confined in zeolites. <i>Nature Materials</i> , 2016, 15, 1017-1022.	13.3	153
146	Degradation of Methylammonium Lead Iodide Perovskite Structures through Light and Electron Beam Driven Ion Migration. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 561-566.	2.1	234
147	Photocatalysts in close-up. <i>Nature</i> , 2016, 530, 36-37.	13.7	13
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