Johan Hofkens

List of Publications by Year in Descending Order

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

556 papers	25,156 citations	86 h-index	132 g-index
626 ext. papers	28,668 ext. citations	8.7 avg, IF	6.86 L-index

#	Paper	IF	Citations
556	Spatial Heterogeneity of n-Phases Leads to Different Photophysical Properties in Quasi-Two-Dimensional Methylammonium Lead Bromide Perovskite. *Journal of Physical Chemistry C*, **2022**, 126, 478-486	3.8	1
555	Spatial Proteomic Analysis of Isogenic Metastatic Colorectal Cancer Cells Reveals Key Dysregulated Proteins Associated with Lymph Node, Liver, and Lung Metastasis.. *Cells*, **2022**, 11,	7.9	2
554	Atomically dispersed Pt sites on porous metal□organic frameworks to enable dual reaction mechanisms for enhanced photocatalytic hydrogen conversion. *Journal of Catalysis*, **2022**, 407, 1-9	7.3	3
553	Intramolecular charge transfer and molecular flexibility: Key parameters to be considered in the design of highly fluorescent p-phenylene vinylene derivatives. *Dyes and Pigments*, **2022**, 199, 110105	4.6	0
552	Photothermal Suzuki Coupling Over a Metal Halide Perovskite/Pd Nanocube Composite Catalyst.. *ACS Applied Materials & Interfaces*, **2022**,	9.5	4
551	Absolute measurement of cellular activities using photochromic single-fluorophore biosensors and intermittent quantification.. *Nature Communications*, **2022**, 13, 1850	17.4	1
550	Topochemistry-Driven Synthesis of Transition-Metal Selenides with Weakened Van Der Waals Force to Enable 3D-Printed Na-Ion Hybrid Capacitors. *Advanced Functional Materials*, **2022**, 32, 2110016	15.6	21
549	Site-Sensitive Selective CO Photoreduction to CO over Gold Nanoparticles.. *Angewandte Chemie - International Edition*, **2022**, e202204563	16.4	1
548	Two-dimensional perovskites with alternating cations in the interlayer space for stable light-emitting diodes. *Nanophotonics*, **2021**, 10, 2145-2156	6.3	6
547	Optical encoding of luminescent carbon nanodots in confined spaces. *Chemical Communications*, **2021**, 57, 11952-11955	5.8	1
546	Synergy of Advanced Experimental and Modeling Tools to Underpin the Synthesis of Static Step-Growth-Based Networks Involving Polymeric Precursor Building Blocks. *Macromolecules*, **2021**, 54, 9280-9298	5.5	6
545	Tailoring the d-Band Center of Double-Perovskite LaCoNiO Nanorods for High Activity in Artificial N Fixation. *ACS Applied Materials & Interfaces*, **2021**, 13, 13347-13353	9.5	4
544	Challenges and Opportunities for CsPbBr3 Perovskites in Low- and High-Energy Radiation Detection. *ACS Energy Letters*, **2021**, 6, 1290-1314	20.1	24
543	Investigation of Many-Body Exciton Recombination and Optical Anisotropy in Two-Dimensional Perovskites Having Different Layers with Alternating Cations in the Interlayer Space. *Journal of Physical Chemistry C*, **2021**, 125, 7799-7807	3.8	6
542	Dual-Channel Charge Carrier Transfer in CsPbX3 Perovskite/W18O49 Composites for Selective Photocatalytic Benzyl Alcohol Oxidation. *ACS Applied Energy Materials*, **2021**, 4, 3460-3468	6.1	6
541	Operationally Stable Perovskite Light Emitting Diodes with High Radiance. *Advanced Optical Materials*, **2021**, 9, 2100586	8.1	6
540	Resonantly Enhanced Optical Trapping of Single Dye-Doped Particles at an Interface. *ACS Photonics* , **2021**, 8, 1832-1839	6.3	4

539	Quantification of FRET-induced angular displacement by monitoring sensitized acceptor anisotropy using a dim fluorescent donor. *Nature Communications*, **2021**, 12, 2541	17.4	2
538	Self-contained and modular structured illumination microscope. *Biomedical Optics Express*, **2021**, 12, 4414-4422	3.5	2
537	State of the Art and Prospects for Halide Perovskite Nanocrystals. *ACS Nano*, **2021**, 15, 10775-10981	16.7	222
536	All-Evaporated, All-Inorganic CsPbI Perovskite-Based Devices for Broad-Band Photodetector and Solar Cell Applications. *ACS Applied Electronic Materials*, **2021**, 3, 3023-3033	4	4
535	Trojans That Flip the Black Phase: Impurity-Driven Stabilization and Spontaneous Strain Suppression in CsPbI Perovskite. *Journal of the American Chemical Society*, **2021**, 143, 10500-10508	16.4	6
534	Fluorescence Photoswitching in a Series of Metal-Organic Frameworks Loaded with Different Anthracenes. *European Journal of Inorganic Chemistry*, **2021**, 2021, 2986-2992	2.3	0
533	Promoting Photocatalytic Hydrogen Evolution Activity of Graphitic Carbon Nitride with Hole-Transfer Agents. *ChemSusChem*, **2021**, 14, 306-312	8.3	9
532	Covalent functionalization of molybdenum disulfide by chemically activated diazonium salts. *Nanoscale*, **2021**, 13, 2972-2981	7.7	8
531	The bionic sunflower: a bio-inspired autonomous light tracking photocatalytic system. *Energy and Environmental Science*, **2021**, 14, 3931-3937	35.4	11
530	Heterogeneities and Emissive Defects in MAPbI3 Perovskite Revealed by Spectrally Resolved Luminescence Blinking. *Advanced Optical Materials*, **2021**, 9, 2001380	8.1	4
529	Nature of the different emissive states and strong exciton-phonon couplings in quasi-two-dimensional perovskites derived from phase-modulated two-photon micro-photoluminescence spectroscopy. *Physical Chemistry Chemical Physics*, **2021**, 23, 3983-3992	3.6	4
528	Texture Formation in Polycrystalline Thin Films of All-Inorganic Lead Halide Perovskite. *Advanced Materials*, **2021**, 33, e2007224	24	9
527	A Universal Labeling Strategy for Nucleic Acids in Expansion Microscopy. *Journal of the American Chemical Society*, **2021**, 143, 13782-13789	16.4	3
526	Photon Momentum Dictates the Shape of Swarming Gold Nanoparticles in Optical Trapping at an Interface. *Journal of Physical Chemistry C*, **2021**, 125, 19013-19021	3.8	1
525	Tuning the Linkers in Polymer-Based Cathodes to Realize High Sulfur Content and High-Performance PotassiumSulfur Batteries. *Journal of Physical Chemistry C*, **2021**, 125, 18604-18613	3.8	3
524	Cooperative Optical Trapping of Polystyrene Microparticle and Protein Forming a Submillimeter Linear Assembly of Microparticle. *Journal of Physical Chemistry C*, **2021**, 125, 18988-18999	3.8	3
523	Assessing the Resolution of Methyltransferase-Mediated DNA Optical Mapping. *ACS Omega*, **2021**, 6, 21276-21283	3.9	0
522	Planar Heterojunction Boosts Solar-Driven Photocatalytic Performance and Stability of Halide Perovskite Solar Photocatalyst Cell. *Applied Catalysis B: Environmental*, **2021**, 120760	21.8	9

521	Highly Mobile Large Polarons in Black Phase CsPbI3. *ACS Energy Letters*, **2021**, 6, 568-573	20.1	14
520	Solar-to-Chemical Fuel Conversion via Metal Halide Perovskite Solar-Driven Electrocatalysis.. *Journal of Physical Chemistry Letters*, **2021**, 25-41	6.4	2
519	N Electroreduction to NH by Selenium Vacancy-Rich ReSe Catalysis at an Abrupt Interface. *Angewandte Chemie - International Edition*, **2020**, 59, 13320-13327	16.4	53
518	A nucleotide-switch mechanism mediates opposing catalytic activities of Rel enzymes. *Nature Chemical Biology*, **2020**, 16, 834-840	11.7	20
517	Fluorescence Photobleaching as an Intrinsic Tool to Quantify the 3D Expansion Factor of Biological Samples in Expansion Microscopy. *ACS Omega*, **2020**, 5, 6792-6799	3.9	10
516	X-Ray-Induced Growth Dynamics of Luminescent Silver Clusters in Zeolites. *Small*, **2020**, 16, e2002063	11	6
515	N2 Electroreduction to NH3 by Selenium Vacancy-Rich ReSe2 Catalysis at an Abrupt Interface. *Angewandte Chemie*, **2020**, 132, 13422-13429	3.6	10
514	Direct Z-Scheme Heterojunction of Semicoherent FAPbBr/BiWO Interface for Photoredox Reaction with Large Driving Force. *ACS Nano*, **2020**,	16.7	70
513	Electroluminescent Guest@MOF Nanoparticles for Thin Film Optoelectronics and Solid-State Lighting. *Advanced Optical Materials*, **2020**, 8, 2000670	8.1	14
512	Energy-Efficient Ammonia Production from Air and Water Using Electrocatalysts with Limited Faradaic Efficiency. *ACS Energy Letters*, **2020**, 5, 1124-1127	20.1	13
511	Evaluation of Direct Grafting Strategies Trivalent Anchoring for Enabling Lipid Membrane and Cytoskeleton Staining in Expansion Microscopy. *ACS Nano*, **2020**, 14, 7860-7867	16.7	26
510	Controlled Fabrication of Optical Signal Input/Output Sites on Plasmonic Nanowires. *Nano Letters*, **2020**, 20, 2460-2467	11.5	6
509	Solar-Driven Metal Halide Perovskite Photocatalysis: Design, Stability, and Performance. *ACS Energy Letters*, **2020**, 5, 1107-1123	20.1	212
508	Dynamic Coupling of Optically Evolved Assembling and Swarming of Gold Nanoparticles with Photothermal Local Phase Separation of Polymer Solution. *Journal of Physical Chemistry C*, **2020**, 124, 16604-16615	3.8	10
507	Fluorescence-free First Hyperpolarizability Values of Fluorescent Proteins and Channel Rhodopsins. *Journal of Photochemistry and Photobiology A: Chemistry*, **2020**, 400, 112658	4.7	2
506	Fluorescent SAM analogues for methyltransferase based DNA labeling. *Chemical Communications*, **2020**, 56, 3317-3320	5.8	8
505	Capsid-Labelled HIV To Investigate the Role of Capsid during Nuclear Import and Integration. *Journal of Virology*, **2020**, 94,	6.6	24
504	Fast quantitative time lapse displacement imaging of endothelial cell invasion. *PLoS ONE*, **2020**, 15, e0227286	3.7	2

503	Surface plasmon resonance effect on laser trapping and swarming of gold nanoparticles at an interface. *Optics Express*, **2020**, 28, 27727-27735	3.3	10
502	Fast-tracking of single emitters in large volumes with nanometer precision. *Optics Express*, **2020**, 28, 28656-28671	3.3	11
501	Tunable white emission of silver-sulfur-zeolites as single-phase LED phosphors. *Methods and Applications in Fluorescence*, **2020**, 8, 024004	3.1	5
500	It's a trap! On the nature of localised states and charge trapping in lead halide perovskites. *Materials Horizons*, **2020**, 7, 397-410	14.4	204
499	Edge stabilization in reduced-dimensional perovskites. *Nature Communications*, **2020**, 11, 170	17.4	79
498	Subsurface Defect Engineering in Single-Unit-Cell Bi2WO6 Monolayers Boosts Solar-Driven Photocatalytic Performance. *ACS Catalysis*, **2020**, 10, 1439-1443	13.1	71
497	Two-Photon-Induced [2 + 2] Cycloaddition of Bis-thymines: A Biocompatible and Reversible Approach. *ACS Omega*, **2020**, 5, 11547-11552	3.9	0
496	Highly Luminescent Metal Clusters Confined in Zeolites. *Structure and Bonding*, **2020**, 75-103	0.9	3
495	Efficient Photocatalytic CO2 Reduction with MIL-100(Fe)-CsPbBr3 Composites. *Catalysts*, **2020**, 10, 1352	4	9
494	Highly luminescent silver-based MOFs: Scalable eco-friendly synthesis paving the way for photonics sensors and electroluminescent devices. *Applied Materials Today*, **2020**, 21, 100817	6.6	16
493	Optical Force-Induced Dynamics of Assembling, Rearrangement, and Three-Dimensional Pistol-like Ejection of Microparticles at the Solution Surface. *Journal of Physical Chemistry C*, **2020**, 124, 27107-27117	3.8	5
492	FRET-based intracellular investigation of nanoprodrugs toward highly efficient anticancer drug delivery. *Nanoscale*, **2020**, 12, 16710-16715	7.7	8
491	Accurate modeling of a biological nanopore with an extended continuum framework. *Nanoscale*, **2020**, 12, 16775-16795	7.7	15
490	Three-Phase Boundary in Cross-Coupled Micro-Mesoporous Networks Enabling 3D-Printed and Ionogel-Based Quasi-Solid-State Micro-Supercapacitors. *Advanced Materials*, **2020**, 32, e2002474	24	27
489	Incorporation of Cesium Lead Halide Perovskites into g-CN for Photocatalytic CO Reduction. *ACS Omega*, **2020**, 5, 24495-24503	3.9	19
488	Tuning the Structural and Optoelectronic Properties of Cs AgBiBr Double-Perovskite Single Crystals through Alkali-Metal Substitution. *Advanced Materials*, **2020**, 32, e2001878	24	34
487	Electroluminescent Nanoparticles: Electroluminescent Guest@MOF Nanoparticles for Thin Film Optoelectronics and Solid-State Lighting (Advanced Optical Materials 16/2020). *Advanced Optical Materials*, **2020**, 8, 2070066	8.1	
486	Phase Transitions and Anion Exchange in All-Inorganic Halide Perovskites. *Accounts of Materials Research*, **2020**, 1, 3-15	7.5	36

485	Spatially and Temporally Resolved Heterogeneities in a Miscible Polymer Blend. *ACS Omega*, **2020**, 5, 23931-23939	3.9	1
484	Imaging the Replication of Single Viruses: Lessons Learned from HIV and Future Challenges To Overcome. *ACS Nano*, **2020**, 14, 10775-10783	16.7	4
483	Autophosphorylation of EGFR at Y954 Facilitated Homodimerization and Enhanced Downstream Signals. *Biophysical Journal*, **2020**, 119, 2127-2137	2.9	1
482	Identifying microbial species by single-molecule DNA optical mapping and resampling statistics. *NAR Genomics and Bioinformatics*, **2020**, 2, lqz007	3.7	8
481	Image-Based Dynamic Phenotyping Reveals Genetic Determinants of Filamentation-Mediated -Lactam Tolerance. *Frontiers in Microbiology*, **2020**, 11, 374	5.7	6
480	Photo-induced electrodeposition of metallic nanostructures on graphene. *Nanoscale*, **2020**, 12, 11063-11069	7.7	3
479	Hot -Electron Tunneling of Metal-Insulator-COF Nanostructures for Efficient Hydrogen Production. *Angewandte Chemie*, **2019**, 131, 18458-18462	3.6	17
478	Influence of Carbon Nanoparticle Addition (and Impurities) on Selective Laser Melting of Pure Copper. *Materials*, **2019**, 12,	3.5	28
477	Bipolar luminescent azaindole derivative exhibiting aggregation-induced emission for non-doped organic light-emitting diodes. *Journal of Materials Chemistry C*, **2019**, 7, 1222-1227	7.1	5
476	Indirect tail states formation by thermal-induced polar fluctuations in halide perovskites. *Nature Communications*, **2019**, 10, 484	17.4	58
475	Tracking Structural Phase Transitions in Lead-Halide Perovskites by Means of Thermal Expansion. *Advanced Materials*, **2019**, 31, e1900521	24	53
474	Silver Zeolite Composite-Based LEDs: Origin of Electroluminescence and Charge Transport. *ACS Applied Materials & Interfaces*, **2019**, 11, 12179-12183	9.5	10
473	A Facet-Specific Quantum Dot Passivation Strategy for Colloid Management and Efficient Infrared Photovoltaics. *Advanced Materials*, **2019**, 31, e1805580	24	55
472	Microscopic insight into non-radiative decay in perovskite semiconductors from temperature-dependent luminescence blinking. *Nature Communications*, **2019**, 10, 1698	17.4	56
471	Structural and Photophysical Characterization of Ag Clusters in LTA Zeolites. *Journal of Physical Chemistry C*, **2019**, 123, 10630-10638	3.8	14
470	Improved HaloTag Ligand Enables BRET Imaging With NanoLuc. *Frontiers in Chemistry*, **2019**, 7, 938	5	13
469	Single-Step Synthesis of Dual Phase Bright Blue-Green Emitting Lead Halide Perovskite Nanocrystal Thin Films. *Chemistry of Materials*, **2019**, 31, 6824-6832	9.6	14
468	Role of Electron-Phonon Coupling in the Thermal Evolution of Bulk Rashba-Like Spin-Split Lead Halide Perovskites Exhibiting Dual-Band Photoluminescence. *ACS Energy Letters*, **2019**, 4, 2205-2212	20.1	31

467	Thermal unequilibrium of strained black CsPbI thin films. *Science*, **2019**, 365, 679-684	33.3	272
466	High-throughput time-resolved morphology screening in bacteria reveals phenotypic responses to antibiotics. *Communications Biology*, **2019**, 2, 269	6.7	12
465	Hot Electron Tunneling of Metal-Insulator-COF Nanostructures for Efficient Hydrogen Production. *Angewandte Chemie - International Edition*, **2019**, 58, 18290-18294	16.4	55
464	Photochromic Reaction by Red Light via Triplet Fusion Upconversion. *Journal of the American Chemical Society*, **2019**, 141, 17744-17753	16.4	33
463	Formation Mechanism and Fluorescence Characterization of a Transient Assembly of Nanoparticles Generated by Femtosecond Laser Trapping. *Journal of Physical Chemistry C*, **2019**, 123, 27823-27833	3.8	5
462	PSF Distortion in Dye Plasmonic Nanomaterial Interactions: Friend or Foe?. *ACS Photonics*, **2019**, 6, 699-708	6.8	9
461	Linear assembly of lead bromide-based nanoparticles inside lead(ii) polymers prepared by mixing the precursors of both the nanoparticle and the polymer. *Chemical Communications*, **2019**, 55, 2968-2971	5.8	6
460	Luminescent silver thium-zeolite phosphors for near-ultraviolet LED applications. *Journal of Materials Chemistry C*, **2019**, 7, 14366-14374	7.1	6
459	The Preprotein Binding Domain of SecA Displays Intrinsic Rotational Dynamics. *Structure*, **2019**, 27, 90-101.e6	5.2	8
458	5,10-Dihydrobenzo[a]indolo[2,3- c]carbazoles as Novel OLED Emitters. *Journal of Physical Chemistry B*, **2019**, 123, 1400-1411	3.4	9
457	Reversible Optical Writing and Data Storage in an Anthracene-Loaded Metal-Organic Framework. *Angewandte Chemie - International Edition*, **2019**, 58, 2423-2427	16.4	61
456	C(sp3) H Bond Activation by Perovskite Solar Photocatalyst Cell. *ACS Energy Letters*, **2019**, 4, 203-208	20.1	74
455	Photoconversion of Far-Red Organic Dyes: Implications for Multicolor Super-Resolution Imaging. *ChemPhotoChem*, **2018**, 2, 433-441	3.3	8
454	Efficient and Selective Photocatalytic Oxidation of Benzylic Alcohols with Hybrid Organic norganic Perovskite Materials. *ACS Energy Letters*, **2018**, 3, 755-759	20.1	147
453	Confinement of Highly Luminescent Lead Clusters in Zeolite A. *Journal of Physical Chemistry C*, **2018** , 122, 13953-13961	3.8	14
452	Perovskite seeding growth of formamidinium-lead-iodide-based perovskites for efficient and stable solar cells. *Nature Communications*, **2018**, 9, 1607	17.4	218
451	Imaging Heterogeneously Distributed Photo-Active Traps in Perovskite Single Crystals. *Advanced Materials*, **2018**, 30, e1705494	24	22
450	New OLEDs Based on Zirconium Metal-Organic Framework. *Advanced Optical Materials*, **2018**, 6, 1701068	8.1	32

449	A Conversation with Frans C. De Schryver. *ACS Energy Letters*, **2018**, 3, 191-192	20.1	
448	Evaluation of Blue and Far-Red Dye Pairs in Single-Molecule Förster Resonance Energy Transfer Experiments. *Journal of Physical Chemistry B*, **2018**, 122, 4249-4266	3.4	12
447	A general strategy for direct, enzyme-catalyzed conjugation of functional compounds to DNA. *Nucleic Acids Research*, **2018**, 46, e64	20.1	9
446	Phosphorylation decelerates conformational dynamics in bacterial translation elongation factors. *Science Advances*, **2018**, 4, eaap9714	14.3	19
445	Femtosecond Laser Trapping Dynamics of Nanoparticles: A Single Transient Assembly Formation Leading to Their Directional Ejection. *Journal of Physical Chemistry C*, **2018**, 122, 13233-13242	3.8	5
444	Giant Electron-Phonon Coupling and Deep Conduction Band Resonance in Metal Halide Double Perovskite. *ACS Nano*, **2018**, 12, 8081-8090	16.7	123
443	Dopant-induced electron localization drives CO reduction to C hydrocarbons. *Nature Chemistry*, **2018**, 10, 974-980	17.6	435
442	Highly Photoluminescent Sulfide Clusters Confined in Zeolites. *Journal of Physical Chemistry C*, **2018**, 122, 14761-14770	3.8	10
441	The Persistence-Inducing Toxin HokB Forms Dynamic Pores That Cause ATP Leakage. *MBio*, **2018**, 9,	7.8	46
440	Shaping the Optical Properties of Silver Clusters Inside Zeolite A via Guest-Host-Guest Interactions. *Journal of Physical Chemistry Letters*, **2018**, 9, 5344-5350	6.4	16
439	Fluorescence modulation by fast photochromism of a [2.2]paracyclophane-bridged imidazole dimer possessing a perylene bisimide moiety. *Journal of Materials Chemistry C*, **2018**, 6, 9523-9531	7.1	13
438	Origin of the bright photoluminescence of few-atom silver clusters confined in LTA zeolites. *Science* , **2018**, 361, 686-690	33.3	83
437	Atomic scale reversible opto-structural switching of few atom luminescent silver clusters confined in LTA zeolites. *Nanoscale*, **2018**, 10, 11467-11476	7.7	31
436	Promising Molecules for Optoelectronic Applications: Synthesis of 5,10-Dihydrobenzo[a]indolo[2,3-c]carbazoles by Scholl Reaction of 1,2-Bis(indol-2-yl)benzenes. *European Journal of Organic Chemistry*, **2018**, 2018, 4683-4688	3.2	7
435	Femtosecond laser trapping, assembling, and ejection dynamics of dielectric nanoparticles in solution **2018**,		1
434	Light- and Temperature-Modulated Magneto-Transport in Organic–Inorganic Lead Halide Perovskites. *ACS Energy Letters*, **2018**, 3, 39-45	20.1	11
433	Perovskite-Based Devices: Photophysical Pathways in Highly Sensitive Cs2AgBiBr6 Double-Perovskite Single-Crystal X-Ray Detectors (Adv. Mater. 46/2018). *Advanced Materials*, **2018**, 30, 1870353	24	5
432	Non-radiative processes in metal halide perovskite semiconductors probed by photoluminescence microscopy. *EPJ Web of Conferences*, **2018**, 190, 02011	0.3	

431	Reversible Optical Writing and Data Storage in an Anthracene-Loaded Metal□Organic Framework. *Angewandte Chemie*, **2018**, 131, 2445	3.6	5
430	Reversible and Site-Dependent Proton-Transfer in Zeolites Uncovered at the Single-Molecule Level. *Journal of the American Chemical Society*, **2018**, 140, 14195-14205	16.4	14
429	Photophysical Pathways in Highly Sensitive Cs AgBiBr Double-Perovskite Single-Crystal X-Ray Detectors. *Advanced Materials*, **2018**, 30, e1804450	24	117
428	The 2018 correlative microscopy techniques roadmap. *Journal Physics D: Applied Physics*, **2018**, 51, 443001	3	63
427	Role of glutamine synthetase in angiogenesis beyond glutamine synthesis. *Nature*, **2018**, 561, 63-69	50.4	68
426	The BOPHY fluorophore with double boron chelation: Synthesis and spectroscopy. *Coordination Chemistry Reviews*, **2018**, 371, 1-10	23.2	38
425	Facile Morphology-Controlled Synthesis of Organolead Iodide Perovskite Nanocrystals Using Binary Capping Agents. *ChemNanoMat*, **2017**, 3, 223-227	3.5	15
424	Acid-Sensitive BODIPY Dyes: Synthesis through Pd-Catalyzed Direct C(sp)-H Arylation and Photophysics. *Chemistry - A European Journal*, **2017**, 23, 4687-4699	4.8	20
423	The ER Stress Sensor PERK Coordinates ER-Plasma Membrane Contact Site Formation through Interaction with Filamin-A and F-Actin Remodeling. *Molecular Cell*, **2017**, 65, 885-899.e6	17.6	114
422	Die Methyltransferase-gesteuerte Markierung von Biomolekülen und ihre Anwendungen. *Angewandte Chemie*, **2017**, 129, 5266-5285	3.6	10
421	A novel method for in situ synthesis of SERS-active gold nanostars on polydimethylsiloxane film. *Chemical Communications*, **2017**, 53, 5121-5124	5.8	45
420	Defocused Imaging of UV-Driven Surface-Bound Molecular Motors. *Journal of the American Chemical Society*, **2017**, 139, 7156-7159	16.4	21
419	"Supertrap" at Work: Extremely Efficient Nonradiative Recombination Channels in MAPbI Perovskites Revealed by Luminescence Super-Resolution Imaging and Spectroscopy. *ACS Nano*, **2017**, 11, 5391-5404	16.7	73
418	Curve computation by geodesics and graph modelling for polymer analysis. *Signal, Image and Video Processing*, **2017**, 11, 1469-1476	1.6	
417	Superconducting Ferromagnetic Nanodiamond. *ACS Nano*, **2017**, 11, 5358-5366	16.7	17
416	Plasmon-Mediated Surface Engineering of Silver Nanowires for Surface-Enhanced Raman Scattering. *Journal of Physical Chemistry Letters*, **2017**, 8, 2774-2779	6.4	26
415	Aminobacter sp. MSH1 invades sand filter community biofilms while retaining 2,6-dichlorobenzamide degradation functionality under C- and N-limiting conditions. *FEMS Microbiology Ecology*, **2017**, 93,	4.3	3
414	Unprecedented □substituted BOPHY dyes via a key 3,8-dichloroBOPHY intermediate. *Dyes and Pigments*, **2017**, 142, 249-254	4.6	16

413	Genetic (In)stability of 2,6-Dichlorobenzamide Catabolism in Aminobacter sp. Strain MSH1 Biofilms under Carbon Starvation Conditions. *Applied and Environmental Microbiology*, **2017**, 83,	4.8	11
412	Methyltransferase-directed covalent coupling of fluorophores to DNA. *Chemical Science*, **2017**, 8, 3804-3811	9.1	16
411	Methyltransferase-Directed Labeling of Biomolecules and its Applications. *Angewandte Chemie - International Edition*, **2017**, 56, 5182-5200	16.4	42
410	Simple Donor–Acceptor Luminogen Based on an Azaindole Derivative as Solid-State Emitter for Organic Light-Emitting Devices. *ACS Energy Letters*, **2017**, 2, 2653-2658	20.1	6
409	Facet-Dependent Diol-Induced Density of States of Anatase TiO Crystal Surface. *ACS Omega*, **2017**, 2, 4032-4038	3.9	11
408	Form Follows Function: Warming White LEDs Using Metal Cluster-Loaded Zeolites as Phosphors. *ACS Energy Letters*, **2017**, 2, 2491-2497	20.1	20
407	Silver Clusters in Zeolites: From Self-Assembly to Ground-Breaking Luminescent Properties. *Accounts of Chemical Research*, **2017**, 50, 2353-2361	24.3	54
406	Carbon catabolite repression and cell dispersal affect degradation of the xenobiotic compound 3,4-dichloroaniline in Comamonas testosteroni WDL7 biofilms. *FEMS Microbiology Ecology*, **2017**, 93,	4.3	4
405	Direct Laser Writing of to Phase Transformation in Formamidinium Lead Iodide. *ACS Nano*, **2017**, 11, 8072-8083	16.7	40
404	Bosonic Confinement and Coherence in Disordered Nanodiamond Arrays. *ACS Nano*, **2017**, 11, 11746-11754	16.7	14
403	Self-Assembling Azaindole Organogel for Organic Light-Emitting Devices (OLEDs). *Advanced Functional Materials*, **2017**, 27, 1702176	15.6	12
402	Surface Colonization and Activity of the 2,6-Dichlorobenzamide (BAM) Degrading Aminobacter sp. Strain MSH1 at Macro- and Micropollutant BAM Concentrations. *Environmental Science & Technology*, **2016**, 50, 10123-33	10.3	15
401	Photoluminescence Blinking of Single-Crystal Methylammonium Lead Iodide Perovskite Nanorods Induced by Surface Traps. *ACS Omega*, **2016**, 1, 148-159	3.9	62
400	Direct Observation of Luminescent Silver Clusters Confined in Faujasite Zeolites. *ACS Nano*, **2016**, 10, 7604-11	16.7	45
399	Dynamic Oligomerization of Integrase Orchestrates HIV Nuclear Entry. *Scientific Reports*, **2016**, 6, 36485	4.9	24
398	Effect of the substitution position (2, 3 or 8) on the spectroscopic and photophysical properties of BODIPY dyes with a phenyl, styryl or phenylethynyl group. *RSC Advances*, **2016**, 6, 102899-102913	3.7	18
397	Nanostructured Ag-zeolite Composites as Luminescence-based Humidity Sensors. *Journal of Visualized Experiments*, **2016**,	1.6	3
396	Tuning the energetics and tailoring the optical properties of silver clusters confined in zeolites. *Nature Materials*, **2016**, 15, 1017-22	27	111

395	Curve Extraction by Geodesics Fusion: Application to Polymer Reptation Analysis. *Lecture Notes in Computer Science*, **2016**, 79-88	0.9	1
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