

Han Zuilhof

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.

368
papers

13,440
citations

56
h-index

97
g-index

405
ext. papers

14,881
ext. citations

6.4
avg. IF

6.65
L-index

#	Paper	IF	Citations
368	Self-healing antifouling polymer brushes: Effects of degree of fluorination. <i>Applied Surface Science</i> , 2022 , 579, 152264	6.7	2
367	Enhanced monovalent over divalent cation selectivity with polyelectrolyte multilayers in membrane capacitive deionization via optimization of operational conditions. <i>Desalination</i> , 2022 , 522, 115391	10.3	1
366	Diblock and Random Antifouling Bioactive Polymer Brushes on Gold Surfaces by Visible-Light-Induced Polymerization (SI-PET-RAFT) in Water. <i>Advanced Materials Interfaces</i> , 2022 , 9, 2101784	4.6	11
365	On the Stability and Formation of Pillar[5]arenes: a DFT Study. <i>Journal of Organic Chemistry</i> , 2021 , 86, 14956-14963	4.2	2
364	Oxidation-Induced "One-Pot" Click Chemistry. <i>Chemical Reviews</i> , 2021 , 121, 7032-7058	68.1	10
363	Organosilicon uptake by biological membranes. <i>Communications Biology</i> , 2021 , 4, 704	6.7	2
362	Unexpected Substituent Effects in Spiro-Compound Formation: Steering -Aryl Propynamides and DMSO toward Site-Specific Sulfinylation in Quinolin-2-ones or Spiro[4,5]trienones. <i>Journal of Organic Chemistry</i> , 2021 , 86, 9490-9502	4.2	3
361	Divalent Ion Selectivity in Capacitive Deionization with Vanadium Hexacyanoferrate: Experiments and Quantum-Chemical Computations. <i>Advanced Functional Materials</i> , 2021 , 31, 2105203	15.6	9
360	Alizarin Grafting onto Ultrasmall ZnO Nanoparticles: Mode of Binding, Stability, and Colorant Studies. <i>Langmuir</i> , 2021 , 37, 1446-1455	4	3
359	Rapid Distinction and Semiquantitative Analysis of THC and CBD by Silver-Impregnated Paper Spray Mass Spectrometry. <i>Analytical Chemistry</i> , 2021 , 93, 3794-3802	7.8	5
358	SuFExable polymers with helical structures derived from thionyl tetrafluoride. <i>Nature Chemistry</i> , 2021 , 13, 858-867	17.6	12
357	Zwitterionic dendrimer [Polymer hybrid copolymers for self-assembling antifouling coatings. <i>European Polymer Journal</i> , 2021 , 156, 110578	5.2	2
356	Effect of Graphene on Ice Polymorph. <i>Crystals</i> , 2021 , 11, 1134	2.3	1
355	Ionization of glycans from alkali metal salt-impregnated paper. <i>Talanta</i> , 2021 , 234, 122674	6.2	1
354	Silicon-Free SuFEx Reactions of Sulfonimidoyl Fluorides: Scope, Enantioselectivity, and Mechanism. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 7494-7500	16.4	26
353	A method to detect triplet exciton transfer from singlet fission materials into silicon solar cells: Comparing different surface treatments. <i>Journal of Chemical Physics</i> , 2020 , 152, 114201	3.9	9
352	Silicon-Free SuFEx Reactions of Sulfonimidoyl Fluorides: Scope, Enantioselectivity, and Mechanism. <i>Angewandte Chemie</i> , 2020 , 132, 7564-7570	3.6	12

351	Fast room-temperature functionalization of silicon nanoparticles using alkyl silanols. <i>Faraday Discussions</i> , 2020 , 222, 82-94	3.6	9
350	Modification of Cation-Exchange Membranes with Polyelectrolyte Multilayers to Tune Ion Selectivity in Capacitive Deionization. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 34746-34754	9.5	25
349	Nickel hexacyanoferrate electrodes for high mono/divalent ion-selectivity in capacitive deionization. <i>Desalination</i> , 2020 , 481, 114346	10.3	57
348	Titelbild: Tiara[5]arenes: Synthesis, Solid-State Conformational Studies, Host-Guest Properties, and Application as Nonporous Adaptive Crystals (Angew. Chem. 10/2020). <i>Angewandte Chemie</i> , 2020 , 132, 3777-3777	3.6	
347	Cancer-ID: Toward Identification of Cancer by Tumor-Derived Extracellular Vesicles in Blood. <i>Frontiers in Oncology</i> , 2020 , 10, 608	5.3	5
346	Laser Ablation Electrospray Ionization Hydrogen/Deuterium Exchange Ambient Mass Spectrometry Imaging. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 249-256	3.5	4
345	Tiara[5]arenes: Synthesis, Solid-State Conformational Studies, Host-Guest Properties, and Application as Nonporous Adaptive Crystals. <i>Angewandte Chemie</i> , 2020 , 132, 4023-4028	3.6	17
344	Tiara[5]arenes: Synthesis, Solid-State Conformational Studies, Host-Guest Properties, and Application as Nonporous Adaptive Crystals. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3994-3999	16.4	72
343	Controlling the Competition: Boosting Laccase/HBT-Catalyzed Cleavage of a β -O-4' Linked Lignin Model. <i>ACS Catalysis</i> , 2020 , 10, 8650-8659	13.1	8
342	Selective Positioning of Nanosized Metal-Organic Framework Particles at Patterned Substrate Surfaces. <i>Chemistry of Materials</i> , 2020 , 32, 9954-9963	9.6	4
341	Engineering the Protein Corona Structure on Gold Nanoclusters Enables Red-Shifted Emissions in the Second Near-infrared Window for Gastrointestinal Imaging. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 22431-22435	16.4	27
340	Engineering the Protein Corona Structure on Gold Nanoclusters Enables Red-Shifted Emissions in the Second Near-infrared Window for Gastrointestinal Imaging. <i>Angewandte Chemie</i> , 2020 , 132, 22617-22621	23.6	3
339	Direct and quantitative in-situ analysis of third-hand smoke in and on various matrices by ambient desorption corona beam ionization mass spectrometry. <i>Talanta</i> , 2020 , 219, 121330	6.2	4
338	Cycloaddition of Strained Cyclic Alkenes and -Quinones: A Distortion/Interaction Analysis. <i>Journal of Organic Chemistry</i> , 2020 , 85, 13557-13566	4.2	3
337	Acylsemicarbazide Moieties with Dynamic Reversibility and Multiple Hydrogen Bonding for Transparent, High Modulus, and Malleable Polymers. <i>Macromolecules</i> , 2020 , 53, 7914-7924	5.5	18
336	PLL-Poly(HPMA) Bottlebrush-Based Antifouling Coatings: Three Grafting Routes. <i>Langmuir</i> , 2020 , 36, 10187-10199	4	16
335	Change in Tetracene Polymorphism Facilitates Triplet Transfer in Singlet Fission-Sensitized Silicon Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 8703-8709	6.4	10
334	Water desalination with nickel hexacyanoferrate electrodes in capacitive deionization: Experiment, model and comparison with carbon. <i>Desalination</i> , 2020 , 496, 114647	10.3	15

333	Surface Heterogeneous Nucleation-Mediated Release of Beta-Carotene from Porous Silicon. <i>Nanomaterials</i> , 2020 , 10,	5.4	1
332	Stereochemical Inversion of Rim-Differentiated Pillar[5]arene Molecular Swings. <i>Journal of Organic Chemistry</i> , 2020 , 85, 11368-11374	4.2	6
331	Electrochemical Detection of Tumor-Derived Extracellular Vesicles on Nanointerdigitated Electrodes. <i>Nano Letters</i> , 2020 , 20, 820-828	11.5	33
330	Developments and Challenges in Self-Healing Antifouling Materials. <i>Advanced Functional Materials</i> , 2020 , 30, 1908098	15.6	64
329	Antifouling Polymer Brushes via Oxygen-Tolerant Surface-Initiated PET-RAFT. <i>Langmuir</i> , 2020 , 36, 4439-4446	23	
328	Molecular control over vitrimer-like mechanics - tuneable dynamic motifs based on the Hammett equation in polyimine materials. <i>Chemical Science</i> , 2020 , 12, 293-302	9.4	18
327	Novel COX-2 products of -3 polyunsaturated fatty acid-ethanolamine-conjugates identified in RAW264.7 macrophages. <i>Journal of Lipid Research</i> , 2019 , 60, 1829-1840	6.3	5
326	Dynamic covalent urea bonds and their potential for development of self-healing polymer materials. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 15933-15943	13	56
325	Introduction of polar or nonpolar groups at the hydroquinone units can lead to the destruction of the columnar structure of Pillar[5]arenes. <i>Computational and Theoretical Chemistry</i> , 2019 , 1161, 1-9	2	7
324	Functionalization at Will of Rim-Differentiated Pillar[5]arenes. <i>Organic Letters</i> , 2019 , 21, 3976-3980	6.2	33
323	Bioactive Antifouling Surfaces by Visible-Light-Triggered Polymerization. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900351	4.6	13
322	The impact of lignin sulfonation on its reactivity with laccase and laccase/HBT. <i>Catalysis Science and Technology</i> , 2019 , 9, 1535-1542	5.5	10
321	Simultaneous Silicon Oxide Growth and Electrophoretic Deposition of Graphene Oxide. <i>Langmuir</i> , 2019 , 35, 3717-3723	4	4
320	Immuno-capture of extracellular vesicles for individual multi-modal characterization using AFM, SEM and Raman spectroscopy. <i>Lab on A Chip</i> , 2019 , 19, 2526-2536	7.2	31
319	The role of n-3 PUFA-derived fatty acid derivatives and their oxygenated metabolites in the modulation of inflammation. <i>Prostaglandins and Other Lipid Mediators</i> , 2019 , 144, 106351	3.7	45
318	Design, Synthesis, and Characterization of Fully Zwitterionic, Functionalized Dendrimers. <i>ACS Omega</i> , 2019 , 4, 3000-3011	3.9	8
317	TiO Photocatalyzed Oxidation of Drugs Studied by Laser Ablation Electrospray Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 639-646	3.5	9
316	Romantic Surfaces: A Systematic Overview of Stable, Biospecific, and Antifouling Zwitterionic Surfaces. <i>Langmuir</i> , 2019 , 35, 1072-1084	4	58

315	Highly Porous Nanocrystalline UiO-66 Thin Films via Coordination Modulation Controlled Step-by-Step Liquid-Phase Growth. <i>Crystal Growth and Design</i> , 2019 , 19, 1738-1747	3.5	13
314	Systematic Comparison of Zwitterionic and Non-Zwitterionic Antifouling Polymer Brushes on a Bead-Based Platform. <i>Langmuir</i> , 2019 , 35, 1181-1191	4	47
313	Strain-Promoted Cycloaddition of Cyclopropenes with o-Quinones: A Rapid Click Reaction. <i>Angewandte Chemie</i> , 2018 , 130, 10275-10279	3.6	6
312	Kinetics of the Strain-Promoted Oxidation-Controlled Cycloalkyne-1,2-quinone Cycloaddition: Experimental and Theoretical Studies. <i>Journal of Organic Chemistry</i> , 2018 , 83, 244-252	4.2	16
311	Effect of Internal Heteroatoms on Level Alignment at Metal/Molecular Monolayer/Si Interfaces. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 3312-3325	3.8	6
310	Writing Theory and Modeling Papers for Langmuir: The Good, the Bad, and the Ugly. <i>Langmuir</i> , 2018 , 34, 1817-1818	4	2
309	Strain-Promoted Cycloaddition of Cyclopropenes with o-Quinones: A Rapid Click Reaction. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10118-10122	16.4	23
308	Reactive Laser Ablation Electrospray Ionization Time-Resolved Mass Spectrometry of Click Reactions. <i>Analytical Chemistry</i> , 2018 , 90, 10409-10416	7.8	11
307	Innentitelbild: Strain-Promoted Cycloaddition of Cyclopropenes with o-Quinones: A Rapid Click Reaction (Angew. Chem. 32/2018). <i>Angewandte Chemie</i> , 2018 , 130, 10136-10136	3.6	
306	High electrical conductivity and high porosity in a Guest@MOF material: evidence of TCNQ ordering within CuBTC micropores. <i>Chemical Science</i> , 2018 , 9, 7405-7412	9.4	55
305	Elucidating the mechanism behind the laccase-mediated modification of poly(ethersulfone).. <i>RSC Advances</i> , 2018 , 8, 27101-27110	3.7	3
304	Rim-Differentiated C-Symmetric Tiara-Pillar[5]arenes. <i>Journal of the American Chemical Society</i> , 2018 , 140, 74-77	16.4	50
303	Laccase-Mediated Grafting on Biopolymers and Synthetic Polymers: A Critical Review. <i>ChemBioChem</i> , 2018 , 19, 288-311	3.8	50
302	Dual water-healable zwitterionic polymer coatings for anti-biofouling surfaces. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 6930-6935	7.3	27
301	One-Step Generation of Reactive Superhydrophobic Surfaces via SiHCl-Based Silicone Nanofilaments. <i>Langmuir</i> , 2018 , 34, 13505-13513	4	7
300	One-Pot Gram-Scale Synthesis of Hydrogen-Terminated Silicon Nanoparticles. <i>Chemistry of Materials</i> , 2018 , 30, 6503-6512	9.6	26
299	Quantitative and Orthogonal Formation and Reactivity of SuFEx Platforms. <i>Chemistry - A European Journal</i> , 2018 , 24, 10550-10556	4.8	23
298	Mild Photochemical Biofunctionalization of Glass Microchannels. <i>Langmuir</i> , 2017 , 33, 8624-8631	4	8

297	Biochip Spray: Simplified Coupling of Surface Plasmon Resonance Biosensing and Mass Spectrometry. <i>Analytical Chemistry</i> , 2017 , 89, 1427-1432	7.8	28
296	Rapid and Complete Surface Modification with Strain-Promoted Oxidation-Controlled Cyclooctyne-1,2-Quinone Cycloaddition (SPOCQ). <i>Angewandte Chemie</i> , 2017 , 129, 3347-3351	3.6	7
295	Organic Monolayers by B(CF) ₃ -Catalyzed Siloxanation of Oxidized Silicon Surfaces. <i>Langmuir</i> , 2017 , 33, 2185-2193	4	20
294	Ambient Characterization of Synthetic Fibers by Laser Ablation Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2017 , 89, 4031-4037	7.8	14
293	Rapid and Complete Surface Modification with Strain-Promoted Oxidation-Controlled Cyclooctyne-1,2-Quinone Cycloaddition (SPOCQ). <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 3299-3303	16.4	23
292	Rapid Surface Functionalization of Hydrogen-Terminated Silicon by Alkyl Silanols. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5870-5876	16.4	27
291	Mild and Selective C-H Activation of COC Microfluidic Channels Allowing Covalent Multifunctional Coatings. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 16644-16650	9.5	12
290	Ultrathin Covalently Bound Organic Layers on Mica: Formation of Atomically Flat Biofunctionalizable Surfaces. <i>Angewandte Chemie</i> , 2017 , 129, 4194-4198	3.6	5
289	Frontispiece: Ultrathin Covalently Bound Organic Layers on Mica: Formation of Atomically Flat Biofunctionalizable Surfaces. <i>Angewandte Chemie - International Edition</i> , 2017 , 56,	16.4	1
288	Ultrathin Covalently Bound Organic Layers on Mica: Formation of Atomically Flat Biofunctionalizable Surfaces. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 4130-4134	16.4	12
287	Direct Creation of Biopatterns via a Combination of Laser-Based Techniques and Click Chemistry. <i>Langmuir</i> , 2017 , 33, 848-853	4	11
286	Universal Calibration of Computationally Predicted N 1s Binding Energies for Interpretation of XPS Experimental Measurements. <i>Langmuir</i> , 2017 , 33, 10792-10799	4	35
285	Supramolecular effects in self-assembled monolayers: general discussion. <i>Faraday Discussions</i> , 2017 , 204, 123-158	3.6	2
284	Preparing macromolecular systems on surfaces: general discussion. <i>Faraday Discussions</i> , 2017 , 204, 395-418	3.6	2
283	Supramolecular systems at liquid-solid interfaces: general discussion. <i>Faraday Discussions</i> , 2017 , 204, 271-295	3.6	2
282	Highly Specific Binding on Antifouling Zwitterionic Polymer-Coated Microbeads as Measured by Flow Cytometry. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 38211-38221	9.5	27
281	Preface to the Surfaces and Interfaces for Molecular Monitoring Special Issue. <i>Langmuir</i> , 2017 , 33, 8593	4	1
280	Facile functionalization of peptide nucleic acids (PNAs) for antisense and single nucleotide polymorphism detection. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 6710-6714	3.9	4

279	Approach Matters: The Kinetics of Interfacial Inverse-Electron Demand Diels-Alder Reactions. <i>Chemistry - A European Journal</i> , 2017 , 23, 13015-13022	4.8	9
278	Preparation and gas sensing properties of nanocomposite polymers on micro-Interdigitated electrodes for detection of volatile organic compounds at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2017 , 252, 1098-1104	8.5	6
277	Surface-bound quadruple H-bonded dimers: formation and exchange kinetics. <i>Faraday Discussions</i> , 2017 , 204, 383-394	3.6	5
276	Water-repairable zwitterionic polymer coatings for anti-biofouling surfaces. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 6728-6733	7.3	42
275	High-Density Modification of H-Terminated Si(111) Surfaces Using Short-Chain Alkynes. <i>Langmuir</i> , 2017 , 33, 14599-14607	4	8
274	Getting a grip on glycans: A current overview of the metabolic oligosaccharide engineering toolbox. <i>Carbohydrate Research</i> , 2016 , 435, 121-141	2.9	37
273	Characterization of the laccase-mediated oligomerization of 4-hydroxybenzoic acid. <i>RSC Advances</i> , 2016 , 6, 99367-99375	3.7	10
272	Antifouling Properties of Fluoropolymer Brushes toward Organic Polymers: The Influence of Composition, Thickness, Brush Architecture, and Annealing. <i>Langmuir</i> , 2016 , 32, 6571-81	4	22
271	Self-assembled monolayers of 1-alkenes on oxidized platinum surfaces as platforms for immobilized enzymes for biosensing. <i>Applied Surface Science</i> , 2016 , 383, 283-293	6.7	16
270	Self-Healing Superhydrophobic Fluoropolymer Brushes as Highly Protein-Repellent Coatings. <i>Langmuir</i> , 2016 , 32, 6310-8	4	51
269	Fluorinated alkyne-derived monolayers on oxide-free silicon nanowires via one-step hydrosilylation. <i>Applied Surface Science</i> , 2016 , 387, 1202-1210	6.7	10
268	Highly Polymer-Repellent yet Atomically Flat Surfaces Based on Organic Monolayers with a Single Fluorine Atom. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500514	4.6	7
267	Structure and Long-Term Stability of Alkylphosphonic Acid Monolayers on SS316L Stainless Steel. <i>Langmuir</i> , 2016 , 32, 1047-57	4	24
266	Fighting Cholera One-on-One: The Development and Efficacy of Multivalent Cholera-Toxin-Binding Molecules. <i>Accounts of Chemical Research</i> , 2016 , 49, 274-85	24.3	23
265	Multiplex surface plasmon resonance biosensing and its transferability towards imaging nanoplasmonics for detection of mycotoxins in barley. <i>Analyst, The</i> , 2016 , 141, 1307-18	5	53
264	Surface etching, chemical modification and characterization of silicon nitride and silicon oxide--selective functionalization of Si ₃ N ₄ and SiO ₂ . <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 094014	1.8	24
263	Multi-responsive coordination polymers utilising metal-stabilised, dynamic covalent imine bonds. <i>Chemical Communications</i> , 2016 , 52, 9059-62	5.8	32
262	Self-healing fluoropolymer brushes as highly polymer-repellent coatings. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 2408-2412	13	32

261	Local Light-Induced Modification of the Inside of Microfluidic Glass Chips. <i>Langmuir</i> , 2016 , 32, 2389-98	4	15
260	Direct imaging of glycans in Arabidopsis roots via click labeling of metabolically incorporated azido-monosaccharides. <i>BMC Plant Biology</i> , 2016 , 16, 220	5.3	20
259	Use of Ambient Ionization High-Resolution Mass Spectrometry for the Kinetic Analysis of Organic Surface Reactions. <i>Langmuir</i> , 2016 , 32, 3412-9	4	16
258	Clickable Polylactic Acids by Fast Organocatalytic Ring-Opening Polymerization in Continuous Flow. <i>Macromolecules</i> , 2016 , 49, 2054-2062	5.5	26
257	Synthesis and evaluation of locostatin-based chemical probes towards PEBP-proteins. <i>Tetrahedron Letters</i> , 2016 , 57, 2406-2409	2	2
256	Exploring the Chemistry of Bicyclic Isoxazolidines for the Multicomponent Synthesis of Glycomimetic Building Blocks. <i>Journal of Organic Chemistry</i> , 2016 , 81, 8826-8836	4.2	9
255	Efficient and Tunable Three-Dimensional Functionalization of Fully Zwitterionic Antifouling Surface Coatings. <i>Langmuir</i> , 2016 , 32, 10199-10205	4	49
254	Analysis of Mycotoxins in Beer Using a Portable Nanostructured Imaging Surface Plasmon Resonance Biosensor. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 8263-8271	5.7	36
253	Columnar ordering properties of fluorinated and non-fluorinated tris(hexaalkoxytriphenylene)tristriazolotriazines. <i>Liquid Crystals</i> , 2015 , 42, 1269-1279	2.3	6
252	Ordering properties of columnar discotic triazines containing three pendant triphenylenes with four or five fluorinated tails. <i>Liquid Crystals</i> , 2015 , 42, 1450-1459	2.3	10
251	Covalent attachment of 1-alkenes to oxidized platinum surfaces. <i>Langmuir</i> , 2015 , 31, 2714-21	4	2
250	Versatile (bio)functionalization of bromo-terminated phosphonate-modified porous aluminum oxide. <i>Langmuir</i> , 2015 , 31, 5633-44	4	6
249	Selective on-line detection of boronic acids and derivatives in high-performance liquid chromatography eluates by post-column reaction with alizarin. <i>Journal of Chromatography A</i> , 2015 , 1417, 57-63	4.5	1
248	Versatile Scope of a Masked Aldehyde Nitron in 1,3-Dipolar Cycloadditions. <i>Organic Letters</i> , 2015 , 17, 5550-3	6.2	24
247	Effect of Heteroatoms on the Formation of Alkene-Derived Monolayers on H-Si(111): A Combined Experimental and Theoretical Study. <i>Langmuir</i> , 2015 , 31, 8318-27	4	8
246	Key steps towards the oriented immobilization of antibodies using boronic acids. <i>Analyst, The</i> , 2015 , 140, 6467-72	5	37
245	Click Chemistry: Metal-Free Click Chemistry Reactions on Surfaces (Adv. Mater. Interfaces 13/2015). <i>Advanced Materials Interfaces</i> , 2015 , 2,	4.6	2
244	The Transition States for CO ₂ Capture by Substituted Ethanolamines. <i>ChemPhysChem</i> , 2015 , 16, 3000-6	3.2	13

243	Listeria monocytogenes repellence by enzymatically modified PES surfaces. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	6
242	Metal-Free Click Chemistry Reactions on Surfaces. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500135	4.6	93
241	Simulating the reactions of CO ₂ in aqueous monoethanolamine solution by reaction ensemble Monte Carlo using the continuous fractional component method. <i>Journal of Chemical Theory and Computation</i> , 2015 , 11, 2661-9	6.4	26
240	Surface characterization and antifouling properties of nanostructured gold chips for imaging surface plasmon resonance biosensing. <i>Sensors and Actuators B: Chemical</i> , 2015 , 209, 505-514	8.5	21
239	Flow-Through Microbial Capture by Antibody-Coated Microsieves. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1400292	4.6	8
238	Controlling the dopant dose in silicon by mixed-monolayer doping. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 3231-6	9.5	50
237	Continuous-Flow Alcohol Protection and Deprotection Reactions Catalyzed by Silica-Supported Sulfonic Acid. <i>Journal of Flow Chemistry</i> , 2015 , 5, 95-100	3.3	2
236	Covalent surface modification of oxide surfaces. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 6322-56	16.4	555
235	Orientation of llama antibodies strongly increases sensitivity of biosensors. <i>Biosensors and Bioelectronics</i> , 2014 , 60, 130-6	11.8	31
234	Hydrolytic and thermal stability of organic monolayers on various inorganic substrates. <i>Langmuir</i> , 2014 , 30, 5829-39	4	71
233	Discotic liquid crystalline tris(hexahydroxytriphenylene)triazines with separate columns of triphenylene and triazine cores. <i>Liquid Crystals</i> , 2014 , 41, 1862-1872	2.3	19
232	Kovalente Oberflächenmodifikationen von Oxiden. <i>Angewandte Chemie</i> , 2014 , 126, 6438-6474	3.6	45
231	Role of membrane disturbance and oxidative stress in the mode of action underlying the toxicity of differently charged polystyrene nanoparticles. <i>RSC Advances</i> , 2014 , 4, 19321-19330	3.7	39
230	Adhesion and friction properties of fluoropolymer brushes: on the tribological inertness of fluorine. <i>Langmuir</i> , 2014 , 30, 12532-40	4	24
229	Stability of (bio)functionalized porous aluminum oxide. <i>Langmuir</i> , 2014 , 30, 1311-20	4	37
228	Micropatterned ferrocenyl monolayers covalently bound to hydrogen-terminated silicon surfaces: effects of pattern size on the cyclic voltammetry and capacitance characteristics. <i>Langmuir</i> , 2014 , 30, 7235-43	4	21
227	Ambient surface analysis of organic monolayers using direct analysis in real time Orbitrap mass spectrometry. <i>Analytical Chemistry</i> , 2014 , 86, 2403-11	7.8	27
226	Dynamics of Substituted Alkyl Monolayers Covalently Bonded to Silicon: A Broadband Admittance Spectroscopy Study. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 6773-6787	3.8	7

225	Adhesion and friction properties of polymer brushes: fluoro versus nonfluoro polymer brushes at varying thickness. <i>Langmuir</i> , 2014 , 30, 2068-76	4	37
224	Microwave-assisted formation of organic monolayers from 1-alkenes on silicon carbide. <i>Langmuir</i> , 2014 , 30, 10562-5	4	6
223	Quantum chemical studies on solvents for post-combustion carbon dioxide capture: calculation of pKa and carbamate stability of disubstituted piperazines. <i>ChemPhysChem</i> , 2014 , 15, 1880-6	3.2	4
222	Plasma micro-nanotextured, scratch, water and hexadecane resistant, superhydrophobic, and superamphiphobic polymeric surfaces with perfluorinated monolayers. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 6510-24	9.5	142
221	Rapid enzymatic hydrolysis of masked deoxynivalenol and zearalenone prior to liquid chromatography mass spectrometry or immunoassay analysis. <i>World Mycotoxin Journal</i> , 2014 , 7, 107-113	2.5	4
220	In vitro nanoparticle toxicity to rat alveolar cells and coelomocytes from the earthworm <i>Lumbricus rubellus</i> . <i>Nanotoxicology</i> , 2014 , 8, 28-37	5.3	25
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