Han Zuilhof

List of Publications by Year
in descending order

385 papers	16,385 citations	15504 65 h-index	26613 107 g-index
405 all docs	405 docs citations	405 times ranked	18271 citing authors

#	Article	IF	Citations
1	Ryanodine Receptor as Insecticide Target. Current Pharmaceutical Design, 2022, 28, 26-35.	1.9	15
2	Enhanced monovalent over divalent cation selectivity with polyelectrolyte multilayers in membrane capacitive deionization via optimization of operational conditions. Desalination, 2022, 522, 115391.	8.2	12
3	Vectorial Catalysis in Surfaceâ€Anchored Nanometerâ€Sized Metalâ€“Organic Frameworksâ€Based Microfluidic Devices. Angewandte Chemie - International Edition, 2022, 61, .	13.8	5
4	Self-healing antifouling polymer brushes: Effects of degree of fluorination. Applied Surface Science, 2022, 579, 152264.	6.1	7
5	Thermoresponsive, Pyrrolidoneâ€Based Antifouling Polymer Brushes. Advanced Materials Interfaces, 2022, 9, .	3.7	11
6	Configurationally Chiral SuFExâ€Based Polymers. Angewandte Chemie, 2022, 134, .	2.0	4
7	Configurationally Chiral SuFExâ€Based Polymers. Angewandte Chemie - International Edition, 2022, 61, .	13.8	28
8	Frontispiz: Vektorielle Katalyse mit oberflÃchenverankerten nanoâ€metallorganischen GerÃ¼sten in mikrofluidischen Reaktoren. Angewandte Chemie, 2022, 134, .	2.0	0
9	Frontispiece: Vectorial Catalysis in Surfaceâ€Anchored Nanometerâ€Sized Metalâ€“Organic Frameworksâ€Based Microfluidic Devices. Angewandte Chemie - International Edition, 2022, 61, .	13.8	1
10	Diblock and Random Antifouling Bioactive Polymer Brushes on Gold Surfaces by Visibleâ€Lightâ€Induced Polymerization (SIâ€PETâ€RAFT) in Water. Advanced Materials Interfaces, 2022, 9, .	3.7	32
11	â€œRimâ€Differentiatedâ€Pillar[6]arenes. Angewandte Chemie - International Edition, 2022, 61, .	13.8	26
12	Twisted pentagonal prisms: AgnL2 metal-organic pillars. CheM, 2022, 8, 2136-2147.	11.7	29
13	Highly Specific Protein Identification by Immunoprecipitationâ€“Mass Spectrometry Using Antifouling Microbeads. ACS Applied Materials & Interfaces, 2022, 14, 23102-23116.	8.0	4
14	Antibiotic-Like Activity of Atomic Layer Boron Nitride for Combating Resistant Bacteria. ACS Nano, 2022, 16, 7674-7688.	14.6	25
15	Recent progress in the structural study of ion channels as insecticide targets. Insect Science, 2022, 29, 1522-1551.	3.0	6
16	Binding S(VI) to alkynes. , 2022, 1, 415-416.		1
17	Molecular control over vitrimer-like mechanics â€“ tuneable dynamic motifs based on the Hammett equation in polyimine materials. Chemical Science, 2021, 12, 293-302.	7.4	49
18	Alizarin Grafting onto Ultrasmall ZnO Nanoparticles: Mode of Binding, Stability, and Colorant Studies. Langmuir, 2021, 37, 1446-1455.	3.5	8

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19	Rapid Distinction and Semiquantitative Analysis of THC and CBD by Silver-Impregnated Paper Spray Mass Spectrometry. Analytical Chemistry, 2021, 93, 3794-3802.	6.5	15
20	Oxidation-Induced â€œOne-Potâ€•Click Chemistry. Chemical Reviews, 2021, 121, 7032-7058.	47.7	39
21	Organosilicon uptake by biological membranes. Communications Biology, 2021, 4, 704.	4.4	4
22	Unexpected Substituent Effects in Spiro-Compound Formation: Steering N-Aryl Propynamides and DMSO toward Site-Specific Sulfination in Quinolin-2-ones or Spiro[4,5]trienones. Journal of Organic Chemistry, 2021, 86, 9490-9502.	3.2	16
23	Divalent Ion Selectivity in Capacitive Deionization with Vanadium Hexacyanoferrate: Experiments and Quantumâ€Chemical Computations. Advanced Functional Materials, 2021, 31, 2105203.	14.9	38
24	Titles of Highly Cited Papers: Concise, Generalizing, and Specific. Langmuir, 2021, 37, 8895-8896.	3.5	0
25	SuFExable polymers with helical structures derived from thionyl tetrafluoride. Nature Chemistry, 2021, 13, 858-867.	13.6	74
26	Zwitterionic dendrimer â€“ Polymer hybrid copolymers for self-assembling antifouling coatings. European Polymer Journal, 2021, 156, 110578.	5.4	4
27	Aptamerâ€Assisted Bioconjugation of Tyrosine Derivatives with hemin/Gâ€quadruplex (hGQ) DNAzyme Nucleoapzyme Nanostructures. ChemCatChem, 2021, 13, 4618-4624.	3.7	2
28	Effect of Graphene on Ice Polymorph. Crystals, 2021, 11, 1134.	2.2	3
29	Ionization of glycans from alkali metal salt-impregnated paper. Talanta, 2021, 234, 122674.	5.5	2
30	On the Stability and Formation of Pillar[n]arenes: a DFT Study. Journal of Organic Chemistry, 2021, 86, 14956-14963.	3.2	10
31	Microfluidic Chip-Based Induced Phase Separation Extraction as a Fast and Efficient Miniaturized Sample Preparation Method. Molecules, 2021, 26, 38.	3.8	8
32	Efficient Chemical Surface Modification Protocol on SiO2 Transducers Applied to MMP9 Biosensing. Sensors, 2021, 21, 8156.	3.8	1
33	Electrochemical Detection of Tumor-Derived Extracellular Vesicles on Nanointerdigitated Electrodes. Nano Letters, 2020, 20, 820-828.	9.1	65
34	Laser Ablation Electrospray Ionization Hydrogen/Deuterium Exchange Ambient Mass Spectrometry Imaging. Journal of the American Society for Mass Spectrometry, 2020, 31, 249-256.	2.8	11
35	Tiara[5]arenes: Synthesis, Solidâ€State Conformational Studies, Hostâ€“Guest Properties, and Application as Nonporous Adaptive Crystals. Angewandte Chemie, 2020, 132, 4023-4028.	2.0	29
36	Tiara[5]arenes: Synthesis, Solidâ€State Conformational Studies, Hostâ€“Guest Properties, and Application as Nonporous Adaptive Crystals. Angewandte Chemie - International Edition, 2020, 59, 3994-3999.	13.8	146

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37	Controlling the Competition: Boosting Laccase/HBT-Catalyzed Cleavage of a Î²-O-4â€² Linked Lignin Model. ACS Catalysis, 2020, 10, 8650-8659.	11.2	20
38	Selective Positioning of Nanosized Metalâ€“Organic Framework Particles at Patterned Substrate Surfaces. Chemistry of Materials, 2020, 32, 9954-9963.	6.7	10
39	Engineering the Protein Corona Structure on Gold Nanoclusters Enables Redâ€Shifted Emissions in the Second Nearâ€infrared Window for Gastrointestinal Imaging. Angewandte Chemie - International Edition, 2020, 59, 22431-22435.	13.8	78
40	Engineering the Protein Corona Structure on Gold Nanoclusters Enables Redâ€Shifted Emissions in the Second Nearâ€infrared Window for Gastrointestinal Imaging. Angewandte Chemie, 2020, 132, 22617-22621.	2.0	52
41	Direct and quantitative in-situ analysis of third-hand smoke in and on various matrices by ambient desorption corona beam ionization mass spectrometry. Talanta, 2020, 219, 121330.	5.5	6
42	Cycloaddition of Strained Cyclic Alkenes and Ortho-Quinones: A Distortion/Interaction Analysis. Journal of Organic Chemistry, 2020, 85, 13557-13566.	3.2	8
43	Acylsemicarbazide Moieties with Dynamic Reversibility and Multiple Hydrogen Bonding for Transparent, High Modulus, and Malleable Polymers. Macromolecules, 2020, 53, 7914-7924.	4.8	62
44	PLLâ€“Poly(HPMA) Bottlebrush-Based Antifouling Coatings: Three Grafting Routes. Langmuir, 2020, 36, 10187-10199.	3.5	27
45	Change in Tetracene Polymorphism Facilitates Triplet Transfer in Singlet Fission-Sensitized Silicon Solar Cells. Journal of Physical Chemistry Letters, 2020, 11, 8703-8709.	4.6	19
46	Water desalination with nickel hexacyanoferrate electrodes in capacitive deionization: Experiment, model and comparison with carbon. Desalination, 2020, 496, 114647.	8.2	35
47	Surface Heterogeneous Nucleation-Mediated Release of Beta-Carotene from Porous Silicon. Nanomaterials, 2020, 10, 1659.	4.1	1
48	Stereochemical Inversion of Rim-Differentiated Pillar[5]arene Molecular Swings. Journal of Organic Chemistry, 2020, 85, 11368-11374.	3.2	26
49	Siliconâ€Free SuFEx Reactions of Sulfonimidoyl Fluorides: Scope, Enantioselectivity, and Mechanism. Angewandte Chemie - International Edition, 2020, 59, 7494-7500.	13.8	76
50	A method to detect triplet exciton transfer from singlet fission materials into silicon solar cells: Comparing different surface treatments. Journal of Chemical Physics, 2020, 152, 114201.	3.0	11
51	Siliconâ€Free SuFEx Reactions of Sulfonimidoyl Fluorides: Scope, Enantioselectivity, and Mechanism. Angewandte Chemie, 2020, 132, 7564-7570.	2.0	27
52	Fast room-temperature functionalization of silicon nanoparticles using alkyl silanols. Faraday Discussions, 2020, 222, 82-94.	3.2	14
53	Modification of Cation-Exchange Membranes with Polyelectrolyte Multilayers to Tune Ion Selectivity in Capacitive Deionization. ACS Applied Materials & Interfaces, 2020, 12, 34746-34754.	8.0	45
54	Nickel hexacyanoferrate electrodes for high mono/divalent ion-selectivity in capacitive deionization. Desalination, 2020, 481, 114346.	8.2	101

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55	Titelbild: Tiara[5]arenes: Synthesis, Solidâ€State Conformational Studies, Hostâ€"Guest Properties, and Application as Nonporous Adaptive Crystals (Angew. Chem. 10/2020). Angewandte Chemie, 2020, 132, 3777-3777.	2.0	0
56	Cancer-ID: Toward Identification of Cancer by Tumor-Derived Extracellular Vesicles in Blood. Frontiers in Oncology, 2020, 10, 608.	2.8	20
57	Developments and Challenges in Selfâ€Healing Antifouling Materials. Advanced Functional Materials, 2020, 30, 1908098.	14.9	110
58	Antifouling Polymer Brushes via Oxygen-Tolerant Surface-Initiated PET-RAFT. Langmuir, 2020, 36, 4439-4446.	3.5	55
59	Immuno-capture of extracellular vesicles for individual multi-modal characterization using AFM, SEM and Raman spectroscopy. Lab on A Chip, 2019, 19, 2526-2536.	6.0	48
60	The role of n-3 PUFA-derived fatty acid derivatives and their oxygenated metabolites in the modulation of inflammation. Prostaglandins and Other Lipid Mediators, 2019, 144, 106351.	1.9	66
61	Novel COX-2 products of n-3 polyunsaturated fatty acid-ethanolamine-conjugates identified in RAW264.7 macrophages. Journal of Lipid Research, 2019, 60, 1829-1840.	4.2	10
62	Dynamic covalent urea bonds and their potential for development of self-healing polymer materials. Journal of Materials Chemistry A, 2019, 7, 15933-15943.	10.3	101
63	Introduction of polar or nonpolar groups at the hydroquinone units can lead to the destruction of the columnar structure of Pillar[5]arenes. Computational and Theoretical Chemistry, 2019, 1161, 1-9.	2.5	11
64	Functionalization at Will of Rim-Differentiated Pillar[5]arenes. Organic Letters, 2019, 21, 3976-3980.	4.6	69
65	Bioactive Antifouling Surfaces by Visibleâ€Lightâ€Triggered Polymerization. Advanced Materials Interfaces, 2019, 6, 1900351.	3.7	18
66	The impact of lignin sulfonation on its reactivity with laccase and laccase/HBT. Catalysis Science and Technology, 2019, 9, 1535-1542.	4.1	14
67	Simultaneous Silicon Oxide Growth and Electrophoretic Deposition of Graphene Oxide. Langmuir, 2019, 35, 3717-3723.	3.5	8
68	Design, Synthesis, and Characterization of Fully Zwitterionic, Functionalized Dendrimers. ACS Omega, 2019, 4, 3000-3011.	3.5	12
69	TiO₂ Photocatalyzed Oxidation of Drugs Studied by Laser Ablation Electrospray Ionization Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2019, 30, 639-646.	2.8	12
70	Romantic Surfaces: A Systematic Overview of Stable, Biospecific, and Antifouling Zwitterionic Surfaces. Langmuir, 2019, 35, 1072-1084.	3.5	95
71	Highly Porous Nanocrystalline UiO-66 Thin Films via Coordination Modulation Controlled Step-by-Step Liquid-Phase Growth. Crystal Growth and Design, 2019, 19, 1738-1747.	3.0	18
72	Systematic Comparison of Zwitterionic and Non-Zwitterionic Antifouling Polymer Brushes on a Bead-Based Platform. Langmuir, 2019, 35, 1181-1191.	3.5	78

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73	Strainâ€Promoted Cycloaddition of Cyclopropenes with oâ€Quinones: A Rapid Click Reaction. Angewandte Chemie, 2018, 130, 10275-10279.	2.0	9
74	Kinetics of the Strain-Promoted Oxidation-Controlled Cycloalkyne-1,2-quinone Cycloaddition: Experimental and Theoretical Studies. Journal of Organic Chemistry, 2018, 83, 244-252.	3.2	24
75	Effect of Internal Heteroatoms on Level Alignment at Metal/Molecular Monolayer/Si Interfaces. Journal of Physical Chemistry C, 2018, 122, 3312-3325.	3.1	7
76	Writing Theory and Modeling Papers for Langmuir: The Good, the Bad, and the Ugly. Langmuir, 2018, 34, 1817-1818.	3.5	3
77	Strainâ€Promoted Cycloaddition of Cyclopropenes with oâ€Quinones: A Rapid Click Reaction. Angewandte Chemie - International Edition, 2018, 57, 10118-10122.	13.8	31
78	Rim-Differentiated C₅-Symmetric Tiara-Pillar[5]arenes. Journal of the American Chemical Society, 2018, 140, 74-77.	13.7	91
79	Laccaseâ€Mediated Grafting on Biopolymers and Synthetic Polymers: A Critical Review. ChemBioChem, 2018, 19, 288-311.	2.6	64
80	Dual water-healable zwitterionic polymer coatings for anti-biofouling surfaces. Journal of Materials Chemistry B, 2018, 6, 6930-6935.	5.8	40
81	Nucleic Acids Nanoscience at Interfaces Special Issue. Langmuir, 2018, 34, 14691-14691.	3.5	1
82	One-Step Generation of Reactive Superhydrophobic Surfaces via SiHCl3-Based Silicone Nanofilaments. Langmuir, 2018, 34, 13505-13513.	3.5	12
83	One-Pot Gram-Scale Synthesis of Hydrogen-Terminated Silicon Nanoparticles. Chemistry of Materials, 2018, 30, 6503-6512.	6.7	30
84	Quantitative and Orthogonal Formation and Reactivity of SuFEx Platforms. Chemistry - A European Journal, 2018, 24, 10550-10556.	3.3	37
85	Reactive Laser Ablation Electrospray Ionization Time-Resolved Mass Spectrometry of Click Reactions. Analytical Chemistry, 2018, 90, 10409-10416.	6.5	16
86	Innentitelbild: Strain-Promoted Cycloaddition of Cyclopropenes with o -Quinones: A Rapid Click Reaction (Angew. Chem. 32/2018). Angewandte Chemie, 2018, 130, 10136-10136.	2.0	0
87	High electrical conductivity and high porosity in a Guest@MOF material: evidence of TCNQ ordering within Cu₃BTC₂ micropores. Chemical Science, 2018, 9, 7405-7412.	7.4	73
88	Elucidating the mechanism behind the laccase-mediated modification of poly(ethersulfone). RSC Advances, 2018, 8, 27101-27110.	3.6	3
89	Mild Photochemical Biofunctionalization of Glass Microchannels. Langmuir, 2017, 33, 8624-8631.	3.5	10
90	Biochip Spray: Simplified Coupling of Surface Plasmon Resonance Biosensing and Mass Spectrometry. Analytical Chemistry, 2017, 89, 1427-1432.	6.5	34

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91	Rapid and Complete Surface Modification with Strainâ€Promoted Oxidationâ€Controlled Cyclooctyneâ€1,2â€Quinone Cycloaddition (SPOCQ). Angewandte Chemie, 2017, 129, 3347-3351.	2.0	7
92	Organic Monolayers by B(C₆F₅)₃-Catalyzed Siloxanation of Oxidized Silicon Surfaces. Langmuir, 2017, 33, 2185-2193.	3.5	23
93	Ambient Characterization of Synthetic Fibers by Laser Ablation Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2017, 89, 4031-4037.	6.5	18
94	Rapid and Complete Surface Modification with Strainâ€Promoted Oxidationâ€Controlled Cyclooctyneâ€1,2â€Quinone Cycloaddition (SPOCQ). Angewandte Chemie - International Edition, 2017, 56, 3299-3303.	13.8	29
95	Rapid Surface Functionalization of Hydrogen-Terminated Silicon by Alkyl Silanols. Journal of the American Chemical Society, 2017, 139, 5870-5876.	13.7	33
96	Mild and Selective Câ€“H Activation of COC Microfluidic Channels Allowing Covalent Multifunctional Coatings. ACS Applied Materials & Interfaces, 2017, 9, 16644-16650.	8.0	13
97	Ultrathin Covalently Bound Organic Layers on Mica: Formation of Atomically Flat Biofunctionalizable Surfaces. Angewandte Chemie, 2017, 129, 4194-4198.	2.0	6
98	Frontispiece: Ultrathin Covalently Bound Organic Layers on Mica: Formation of Atomically Flat Biofunctionalizable Surfaces. Angewandte Chemie - International Edition, 2017, 56, .	13.8	1
99	Ultrathin Covalently Bound Organic Layers on Mica: Formation of Atomically Flat Biofunctionalizable Surfaces. Angewandte Chemie - International Edition, 2017, 56, 4130-4134.	13.8	14
100	Direct Creation of Biopatterns via a Combination of Laser-Based Techniques and Click Chemistry. Langmuir, 2017, 33, 848-853.	3.5	14
101	Universal Calibration of Computationally Predicted N 1s Binding Energies for Interpretation of XPS Experimental Measurements. Langmuir, 2017, 33, 10792-10799.	3.5	49
102	Supramolecular effects in self-assembled monolayers: general discussion. Faraday Discussions, 2017, 204, 123-158.	3.2	2
103	Preparing macromolecular systems on surfaces: general discussion. Faraday Discussions, 2017, 204, 395-418.	3.2	0
104	Supramolecular systems at liquidâ€“solid interfaces: general discussion. Faraday Discussions, 2017, 204, 271-295.	3.2	2
105	Highly Specific Binding on Antifouling Zwitterionic Polymer-Coated Microbeads as Measured by Flow Cytometry. ACS Applied Materials & Interfaces, 2017, 9, 38211-38221.	8.0	37
106	Preface to the Surfaces and Interfaces for Molecular Monitoring Special Issue. Langmuir, 2017, 33, 8593-8593.	3.5	1
107	Facile functionalization of peptide nucleic acids (PNAs) for antisense and single nucleotide polymorphism detection. Organic and Biomolecular Chemistry, 2017, 15, 6710-6714.	2.8	6
108	Approach Matters: The Kinetics of Interfacial Inverseâ€Electron Demand Dielsâ€“Alder Reactions. Chemistry - A European Journal, 2017, 23, 13015-13022.	3.3	11

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109	Preparation and gas sensing properties of nanocomposite polymers on micro-Interdigitated electrodes for detection of volatile organic compounds at room temperature. Sensors and Actuators B: Chemical, 2017, 252, 1098-1104.	7.8	8
110	Frontispiz: Ultrathin Covalently Bound Organic Layers on Mica: Formation of Atomically Flat Biofunctionalizable Surfaces. Angewandte Chemie, 2017, 129, .	2.0	0
111	Surface-bound quadruple H-bonded dimers: formation and exchange kinetics. Faraday Discussions, 2017, 204, 383-394.	3.2	6
112	Water-repairable zwitterionic polymer coatings for anti-biofouling surfaces. Journal of Materials Chemistry B, 2017, 5, 6728-6733.	5.8	58
113	High-Density Modification of H-Terminated Si(111) Surfaces Using Short-Chain Alkynes. Langmuir, 2017, 33, 14599-14607.	3.5	13
114	Direct imaging of glycans in Arabidopsis roots via click labeling of metabolically incorporated azido-monosaccharides. BMC Plant Biology, 2016, 16, 220.	3.6	26
115	Use of Ambient Ionization High-Resolution Mass Spectrometry for the Kinetic Analysis of Organic Surface Reactions. Langmuir, 2016, 32, 3412-3419.	3.5	18
116	Clickable Polylactic Acids by Fast Organocatalytic Ring-Opening Polymerization in Continuous Flow. Macromolecules, 2016, 49, 2054-2062.	4.8	35
117	Synthesis and evaluation of locostatin-based chemical probes towards PEBP-proteins. Tetrahedron Letters, 2016, 57, 2406-2409.	1.4	3
118	Exploring the Chemistry of Bicyclic Isoxazolidines for the Multicomponent Synthesis of Glycomimetic Building Blocks. Journal of Organic Chemistry, 2016, 81, 8826-8836.	3.2	11
119	Efficient and Tunable Three-Dimensional Functionalization of Fully Zwitterionic Antifouling Surface Coatings. Langmuir, 2016, 32, 10199-10205.	3.5	61
120	Analysis of Mycotoxins in Beer Using a Portable Nanostructured Imaging Surface Plasmon Resonance Biosensor. Journal of Agricultural and Food Chemistry, 2016, 64, 8263-8271.	5.2	43
121	Getting a grip on glycans: A current overview of the metabolic oligosaccharide engineering toolbox. Carbohydrate Research, 2016, 435, 121-141.	2.3	48
122	Characterization of the laccase-mediated oligomerization of 4-hydroxybenzoic acid. RSC Advances, 2016, 6, 99367-99375.	3.6	12
123	Antifouling Properties of Fluoropolymer Brushes toward Organic Polymers: The Influence of Composition, Thickness, Brush Architecture, and Annealing. Langmuir, 2016, 32, 6571-6581.	3.5	30
124	Self-assembled monolayers of 1-alkenes on oxidized platinum surfaces as platforms for immobilized enzymes for biosensing. Applied Surface Science, 2016, 383, 283-293.	6.1	18
125	Self-Healing Superhydrophobic Fluoropolymer Brushes as Highly Protein-Repellent Coatings. Langmuir, 2016, 32, 6310-6318.	3.5	67
126	Fluorinated alkyne-derived monolayers on oxide-free silicon nanowires via one-step hydrosilylation. Applied Surface Science, 2016, 387, 1202-1210.	6.1	11

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127	Highly Polymerâ€Repellent yet Atomically Flat Surfaces Based on Organic Monolayers with a Single Fluorine Atom. Advanced Materials Interfaces, 2016, 3, 1500514.	3.7	7
128	Structure and Long-Term Stability of Alkylphosphonic Acid Monolayers on SS316L Stainless Steel. Langmuir, 2016, 32, 1047-1057.	3.5	29
129	Fighting Cholera One-on-One: The Development and Efficacy of Multivalent Cholera-Toxin-Binding Molecules. Accounts of Chemical Research, 2016, 49, 274-285.	15.6	28
130	Multiplex surface plasmon resonance biosensing and its transferability towards imaging nanoplasmonics for detection of mycotoxins in barley. Analyst, The, 2016, 141, 1307-1318.	3.5	66
131	Surface etching, chemical modification and characterization of silicon nitride and silicon oxideâ€"selective functionalization of Si₃N₄and SiO₂. Journal of Physics Condensed Matter, 2016, 28, 094014.	1.8	31
132	Multi-responsive coordination polymers utilising metal-stabilised, dynamic covalent imine bonds. Chemical Communications, 2016, 52, 9059-9062.	4.1	41
133	Self-healing fluoropolymer brushes as highly polymer-repellent coatings. Journal of Materials Chemistry A, 2016, 4, 2408-2412.	10.3	39
134	Local Light-Induced Modification of the Inside of Microfluidic Glass Chips. Langmuir, 2016, 32, 2389-2398.	3.5	16
135	Click Chemistry: Metalâ€Free Click Chemistry Reactions on Surfaces (Adv. Mater. Interfaces 13/2015). Advanced Materials Interfaces, 2015, 2, .	3.7	2
136	Microsieves: Flow-Through Microbial Capture by Antibody-Coated Microsieves (Adv. Mater. Interfaces) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.7	0
137	The Transition States for CO₂ Capture by Substituted Ethanolamines. ChemPhysChem, 2015, 16, 3000-3006.	2.1	24
138	Listeria monocytogenes repellence by enzymatically modified <scp>PES</scp> surfaces. Journal of Applied Polymer Science, 2015, 132, .	2.6	8
139	Metalâ€Free Click Chemistry Reactions on Surfaces. Advanced Materials Interfaces, 2015, 2, 1500135.	3.7	106
140	Simulating the Reactions of CO2 in Aqueous Monoethanolamine Solution by Reaction Ensemble Monte Carlo Using the Continuous Fractional Component Method. Journal of Chemical Theory and Computation, 2015, 11, 2661-2669.	5.3	30
141	Surface characterization and antifouling properties of nanostructured gold chips for imaging surface plasmon resonance biosensing. Sensors and Actuators B: Chemical, 2015, 209, 505-514.	7.8	21
142	Flowâ€Through Microbial Capture by Antibodyâ€Coated Microsieves. Advanced Materials Interfaces, 2015, 2, 1400292.	3.7	8
143	Controlling the Dopant Dose in Silicon by Mixed-Monolayer Doping. ACS Applied Materials & Interfaces, 2015, 7, 3231-3236.	8.0	58
144	Columnar ordering properties of fluorinated and non-fluorinated tris(hexaalkoxytriphenylene)tristriazolotriazines. Liquid Crystals, 2015, 42, 1269-1279.	2.2	8

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145	Ordering properties of columnar discotic triazines containing three pendant triphenylenes with four or five fluorinated tails. Liquid Crystals, 2015, 42, 1450-1459.	2.2	11
146	Covalent Attachment of 1-Alkenes to Oxidized Platinum Surfaces. Langmuir, 2015, 31, 2714-2721.	3.5	3
147	Versatile (Bio)Functionalization of Bromo-Terminated Phosphonate-Modified Porous Aluminum Oxide. Langmuir, 2015, 31, 5633-5644.	3.5	10
148	Selective on-line detection of boronic acids and derivatives in high-performance liquid chromatography eluates by post-column reaction with alizarin. Journal of Chromatography A, 2015, 1417, 57-63.	3.7	2
149	Versatile Scope of a Masked Aldehyde Nitrone in 1,3-Dipolar Cycloadditions. Organic Letters, 2015, 17, 5550-5553.	4.6	26
150	Effect of Î±-Heteroatoms on the Formation of Alkene-Derived Monolayers on Hâ€“Si(111): A Combined Experimental and Theoretical Study. Langmuir, 2015, 31, 8318-8327.	3.5	8
151	Key steps towards the oriented immobilization of antibodies using boronic acids. Analyst, The, 2015, 140, 6467-6472.	3.5	52
152	Continuous-Flow Alcohol Protection and Deprotection Reactions Catalyzed by Silica-Supported Sulfonic Acid. Journal of Flow Chemistry, 2015, 5, 95-100.	1.9	3
153	In vitronanoparticle toxicity to rat alveolar cells and coelomocytes from the earthwormLumbricus rubellus. Nanotoxicology, 2014, 8, 28-37.	3.0	28
154	Clickable Mesoporous Silica via Functionalization with 1,Ï‰â€Alkenes. Advanced Materials Interfaces, 2014, 1, 1300061.	3.7	4
155	Fluorine-containing triphenylenes. Liquid crystalline properties and surface ordering. Liquid Crystals, 2014, 41, 1911-1922.	2.2	11
156	Innentitelbild: A Protein-Based Pentavalent Inhibitor of the Cholera Toxin B-Subunit (Angew. Chem.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.0	0
157	A Proteinâ€Based Pentavalent Inhibitor of the Cholera Toxin Bâ€Subunit. Angewandte Chemie - International Edition, 2014, 53, 8323-8327.	13.8	57
158	Diagnostic utility of zinc protoporphyrin to detect iron deficiency in Kenyan pregnant women. BMC Medicine, 2014, 12, 229.	5.5	19
159	Covalent Surface Modification of Oxide Surfaces. Angewandte Chemie - International Edition, 2014, 53, 6322-6356.	13.8	704
160	Orientation of llama antibodies strongly increases sensitivity of biosensors. Biosensors and Bioelectronics, 2014, 60, 130-136.	10.1	38
161	Hydrolytic and Thermal Stability of Organic Monolayers on Various Inorganic Substrates. Langmuir, 2014, 30, 5829-5839.	3.5	86
162	Discotic liquid crystalline tris(hexahexyloxytriphenylene)triazines with separate columns of triphenylene and triazine cores. Liquid Crystals, 2014, 41, 1862-1872.	2.2	22

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