Jacob Baggerman

List of Publications by Year
in descending order

29	1,130	394421 19	454955 30
papers	citations	h-index	g-index

30	30	30	1899
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stable Protein-Repellent Zwitterionic Polymer Brushes Grafted from Silicon Nitride. Langmuir, 2011, 27, 2587-2594.	3.5	126
2	Romantic Surfaces: A Systematic Overview of Stable, Biospecific, and Antifouling Zwitterionic Surfaces. Langmuir, 2019, 35, 1072-1084.	3.5	95
3	Photoisomerization of Disperse Red 1 Studied with Transient Absorption Spectroscopy and Quantum Chemical Calculations. Journal of Physical Chemistry A, 2006, 110, 11926-11937.	2.5	94
4	Solvent Tuning from Normal to Inverted Marcus Region of Intramolecular Electron Transfer in Ferrocene-Based Organic Radicals. Journal of the American Chemical Society, 2007, 129, 6117-6129.	13.7	87
5	One-Step Photochemical Attachment of NHS-Terminated Monolayers onto Silicon Surfaces and Subsequent Functionalization. Langmuir, 2008, 24, 7931-7938.	3.5	78
6	Siliconâ€Free SuFEx Reactions of Sulfonimidoyl Fluorides: Scope, Enantioselectivity, and Mechanism. Angewandte Chemie - International Edition, 2020, 59, 7494-7500.	13.8	76
7	Structural, Electrochemical, and Photophysical Properties of a Molecular Shuttle Attached to an Acid-Terminated Self-Assembled Monolayer. Journal of Physical Chemistry B, 2004, 108, 15192-15199.	2.6	60
8	Antifouling Polymer Brushes via Oxygen-Tolerant Surface-Initiated PET-RAFT. Langmuir, 2020, 36, 4439-4446.	3.5	55
9	Femtosecond Time-Resolved Photophysics of 1,4,5,8-Naphthalene Diimides. Journal of Physical Chemistry A, 2007, 111, 6151-6156.	2.5	53
10	Bioconjugation of Protein-Repellent Zwitterionic Polymer Brushes Grafted from Silicon Nitride. Langmuir, 2012, 28, 604-610.	3.5	53
11	Fluorescent Perylene Diimide Rotaxanes: Spectroscopic Signatures of Wheelâ€“Chromophore Interactions. Chemistry - A European Journal, 2007, 13, 1291-1299.	3.3	40
12	Protein-Repellent Silicon Nitride Surfaces: UV-Induced Formation of Oligoethylene Oxide Monolayers. ACS Applied Materials & Interfaces, 2011, 3, 697-704.	8.0	33
13	Carbon dioxide sensing with sulfonated polyaniline. Sensors and Actuators B: Chemical, 2012, 168, 123-130.	7.8	32
14	Carbon dioxide detection with polyethylenimine blended with polyelectrolytes. Sensors and Actuators B: Chemical, 2014, 201, 452-459.	7.8	30
15	Capture of Tumor Cells on Anti-EpCAM-Functionalized Poly(acrylic acid)-Coated Surfaces. ACS Applied Materials & Interfaces, 2016, 8, 14349-14356.	8.0	30
16	PLLâ€“Poly(HPMA) Bottlebrush-Based Antifouling Coatings: Three Grafting Routes. Langmuir, 2020, 36, 10187-10199.	3.5	27
17	Siliconâ€Free SuFEx Reactions of Sulfonimidoyl Fluorides: Scope, Enantioselectivity, and Mechanism. Angewandte Chemie, 2020, 132, 7564-7570.	2.0	27
18	Induction of Motion in a Synthetic Molecular Machine: Effect of Tuning the Driving Force. Chemistry - A European Journal, 2013, 19, 5566-5577.	3.3	25

#	Article	IF	Citations
19	Intrinsic and Ionic Conduction in Humidity-Sensitive Sulfonated Polyaniline. Electrochimica Acta, 2014, 127, 106-114.	5.2	21
20	Bioactive Antifouling Surfaces by Visibleâ€Lightâ€Triggered Polymerization. Advanced Materials Interfaces, 2019, 6, 1900351.	3.7	18
21	Utilization of geometric light trapping in thin film silicon solar cells: simulations and experiments. Progress in Photovoltaics: Research and Applications, 2014, 22, 540-547.	8.1	16
22	Synthesis and Optoelectronic Properties of Nanometerâ€Sized and Highly Soluble Homocoupled Oligodiacetylenes. Chemistry - A European Journal, 2009, 15, 2296-2304.	3.3	14
23	Flowâ€Through Microbial Capture by Antibodyâ€Coated Microsieves. Advanced Materials Interfaces, 2015, 2, 1400292.	3.7	8
24	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
25	High-frequency flow reversal for continuous microfiltration of milk with microsieves. Journal of Membrane Science, 2015, 494, 121-129.	8.2	7
26	Core level photoemission of rotaxanes: A summary on binding energies. Journal of Electron Spectroscopy and Related Phenomena, 2008, 165, 42-45.	1.7	6
27	Concentration-Dependent Isotope Effects in Electron Transfer-Mediated Reactions Photocyanation of Biphenyl and Dimethylbiphenyls. Journal of Physical Chemistry A, 2003, 107, 7675-7683.	2.5	5
28	Radical Cations of All-Trans Oligodiacetylenes: Optical Absorption and Reactivity toward Nucleophiles. Journal of Physical Chemistry B, 2009, 113, 11095-11100.	2.6	2
29	Polymer microspheres with structured surfaces. Chemical Engineering Journal, 2011, 175, 561-568.	12.7	2