

Jacob Baggerman

List of Publications by Year in descending order

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29
papers

1,130
citations

394421

19
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454955

30
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docs citations

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times ranked

1899
citing authors

#	ARTICLE	IF	CITATIONS
1	PLL- α -Poly(HPMA) Bottlebrush-Based Antifouling Coatings: Three Grafting Routes. <i>Langmuir</i> , 2020, 36, 10187-10199.	3.5	27
2	Silicon-Free SuFEx Reactions of Sulfonimidoyl Fluorides: Scope, Enantioselectivity, and Mechanism. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7494-7500.	13.8	76
3	Silicon-Free SuFEx Reactions of Sulfonimidoyl Fluorides: Scope, Enantioselectivity, and Mechanism. <i>Angewandte Chemie</i> , 2020, 132, 7564-7570.	2.0	27
4	Antifouling Polymer Brushes via Oxygen-Tolerant Surface-Initiated PET-RAFT. <i>Langmuir</i> , 2020, 36, 4439-4446.	3.5	55
5	Bioactive Antifouling Surfaces by Visible-Light-Triggered Polymerization. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900351.	3.7	18
6	Romantic Surfaces: A Systematic Overview of Stable, Biospecific, and Antifouling Zwitterionic Surfaces. <i>Langmuir</i> , 2019, 35, 1072-1084.	3.5	95
7	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.	7.8	8
8	Capture of Tumor Cells on Anti-EpCAM-Functionalized Poly(acrylic acid)-Coated Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 14349-14356.	8.0	30
9	Flow-Through Microbial Capture by Antibody-Coated Microsieves. <i>Advanced Materials Interfaces</i> , 2015, 2, 1400292.	3.7	8
10	High-frequency flow reversal for continuous microfiltration of milk with microsieves. <i>Journal of Membrane Science</i> , 2015, 494, 121-129.	8.2	7
11	Carbon dioxide detection with polyethylenimine blended with polyelectrolytes. <i>Sensors and Actuators B: Chemical</i> , 2014, 201, 452-459.	7.8	30
12	Intrinsic and Ionic Conduction in Humidity-Sensitive Sulfonated Polyaniline. <i>Electrochimica Acta</i> , 2014, 127, 106-114.	5.2	21
13	Utilization of geometric light trapping in thin film silicon solar cells: simulations and experiments. <i>Progress in Photovoltaics: Research and Applications</i> , 2014, 22, 540-547.	8.1	16
14	Induction of Motion in a Synthetic Molecular Machine: Effect of Tuning the Driving Force. <i>Chemistry - A European Journal</i> , 2013, 19, 5566-5577.	3.3	25
15	Bioconjugation of Protein-Repellent Zwitterionic Polymer Brushes Grafted from Silicon Nitride. <i>Langmuir</i> , 2012, 28, 604-610.	3.5	53
16	Carbon dioxide sensing with sulfonated polyaniline. <i>Sensors and Actuators B: Chemical</i> , 2012, 168, 123-130.	7.8	32
17	Protein-Repellent Silicon Nitride Surfaces: UV-Induced Formation of Oligoethylene Oxide Monolayers. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 697-704.	8.0	33
18	Polymer microspheres with structured surfaces. <i>Chemical Engineering Journal</i> , 2011, 175, 561-568.	12.7	2

#	ARTICLE	IF	CITATIONS
19	Stable Protein-Repellent Zwitterionic Polymer Brushes Grafted from Silicon Nitride. <i>Langmuir</i> , 2011, 27, 2587-2594.	3.5	126
20	Synthesis and Optoelectronic Properties of Nanometer-Sized and Highly Soluble Homocoupled Oligodiacetylenes. <i>Chemistry - A European Journal</i> , 2009, 15, 2296-2304.	3.3	14
21	Radical Cations of All- <i>Trans</i> Oligodiacetylenes: Optical Absorption and Reactivity toward Nucleophiles. <i>Journal of Physical Chemistry B</i> , 2009, 113, 11095-11100.	2.6	2
22	Core level photoemission of rotaxanes: A summary on binding energies. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2008, 165, 42-45.	1.7	6
23	One-Step Photochemical Attachment of NHS-Terminated Monolayers onto Silicon Surfaces and Subsequent Functionalization. <i>Langmuir</i> , 2008, 24, 7931-7938.	3.5	78
24	Solvent Tuning from Normal to Inverted Marcus Region of Intramolecular Electron Transfer in Ferrocene-Based Organic Radicals. <i>Journal of the American Chemical Society</i> , 2007, 129, 6117-6129.	13.7	87
25	Femtosecond Time-Resolved Photophysics of 1,4,5,8-Naphthalene Diimides. <i>Journal of Physical Chemistry A</i> , 2007, 111, 6151-6156.	2.5	53
26	Fluorescent Perylene Diimide Rotaxanes: Spectroscopic Signatures of Wheel-Chromophore Interactions. <i>Chemistry - A European Journal</i> , 2007, 13, 1291-1299.	3.3	40
27	Photoisomerization of Disperse Red 1 Studied with Transient Absorption Spectroscopy and Quantum Chemical Calculations. <i>Journal of Physical Chemistry A</i> , 2006, 110, 11926-11937.	2.5	94
28	Structural, Electrochemical, and Photophysical Properties of a Molecular Shuttle Attached to an Acid-Terminated Self-Assembled Monolayer. <i>Journal of Physical Chemistry B</i> , 2004, 108, 15192-15199.	2.6	60
29	Concentration-Dependent Isotope Effects in Electron Transfer-Mediated Reactions Photocyanation of Biphenyl and Dimethylbiphenyls. <i>Journal of Physical Chemistry A</i> , 2003, 107, 7675-7683.	2.5	5