

# Martin Keller

## List of Publications by Year in descending order

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49  
papers

10,756  
citations

126708

33  
h-index

253896

43  
g-index

49  
all docs

49  
docs citations

49  
times ranked

12306  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterobimetallic Zeolite, InV-ZSM-5, Enables Efficient Conversion of Biomass Derived Ethanol to Renewable Hydrocarbons. <i>Scientific Reports</i> , 2015, 5, 16039.	1.6	38
2	Community Analysis of Plant Biomass-Degrading Microorganisms from Obsidian Pool, Yellowstone National Park. <i>Microbial Ecology</i> , 2015, 69, 333-345.	1.4	20
3	Lignin Valorization: Improving Lignin Processing in the Biorefinery. <i>Science</i> , 2014, 344, 1246843.	6.0	2,994
4	Accessing Microbial Communities Relevant to Biofuels Production. , 2014, , 565-576.		1
5	Draft Genome Sequences for <i>Clostridium thermocellum</i> Wild-Type Strain YS and Derived Cellulose Adhesion-Defective Mutant Strain AD2. <i>Journal of Bacteriology</i> , 2012, 194, 3290-3291.	1.0	27
6	Turning renewable resources into value-added polymer: development of lignin-based thermoplastic. <i>Green Chemistry</i> , 2012, 14, 3295.	4.6	341
7	Label-free Quantitative Proteomics for the Extremely Thermophilic Bacterium <i>Caldicellulosiruptor obsidiansis</i> Reveal Distinct Abundance Patterns upon Growth on Cellobiose, Crystalline Cellulose, and Switchgrass. <i>Journal of Proteome Research</i> , 2011, 10, 5302-5314.	1.8	33
8	Lignin content in natural <i>Populus</i> variants affects sugar release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6300-6305.	3.3	515
9	Use of Label-Free Quantitative Proteomics To Distinguish the Secreted Cellulolytic Systems of <i>Caldicellulosiruptor bescii</i> and <i>Caldicellulosiruptor obsidiansis</i> . <i>Applied and Environmental Microbiology</i> , 2011, 77, 4042-4054.	1.4	71
10	Mutant alcohol dehydrogenase leads to improved ethanol tolerance in <i>Clostridium thermocellum</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 13752-13757.	3.3	159
11	Proteomic Characterization of Cellular and Molecular Processes that Enable the Nanoarchaeum <i>Ignicoccus hospitalis</i> Relationship. <i>PLoS ONE</i> , 2011, 6, e22942.	1.1	65
12	The DOE BioEnergy Science Center-A U.S. Department of Energy Bioenergys Research Center. , 2011, , 9-18.		0
13	Engineered microbial systems for enhanced conversion of lignocellulosic biomass. <i>Current Opinion in Biotechnology</i> , 2010, 21, 657-662.	3.3	93
14	Impact of elevated nitrate on sulfate-reducing bacteria: a comparative Study of <i>Desulfovibrio vulgaris</i> . <i>ISME Journal</i> , 2010, 4, 1386-1397.	4.4	67
15	<i>Caldicellulosiruptor obsidiansis</i> sp. nov., an Anaerobic, Extremely Thermophilic, Cellulolytic Bacterium Isolated from Obsidian Pool, Yellowstone National Park. <i>Applied and Environmental Microbiology</i> , 2010, 76, 1014-1020.	1.4	91
16	Bioenergy research: a new paradigm in multidisciplinary research. <i>Journal of the Royal Society Interface</i> , 2010, 7, 1391-1401.	1.5	21
17	Complete Genome Sequence of the Cellulolytic Thermophile <i>Caldicellulosiruptor obsidiansis</i> OB47. <i>Journal of Bacteriology</i> , 2010, 192, 6099-6100.	1.0	39
18	Controlled microfluidic production of alginate beads for in situ encapsulation of microbes. , 2009, , .		5

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19	Single Cell Whole Genome Amplification of Uncultivated Organisms. <i>Microbiology Monographs</i> , 2009, , 241-256.	0.3	2
20	The Goals and Research of the BioEnergy Sciences Center (BESC): Developing Cost-effective and Sustainable Means of Producing Biofuels by Overcoming Biomass Recalcitrance. <i>Bioenergy Research</i> , 2009, 2, 177-178.	2.2	5
21	The DOE BioEnergy Science Center's U.S. Department of Energy Bioenergy Research Center. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2009, 45, 193-198.	0.9	8
22	Environmental Proteomics: a Paradigm Shift in Characterizing Microbial Activities at the Molecular Level. <i>Microbiology and Molecular Biology Reviews</i> , 2009, 73, 62-70.	2.9	111
23	How biotech can transform biofuels. <i>Nature Biotechnology</i> , 2008, 26, 169-172.	9.4	984
24	A genomic analysis of the archaeal system <i>Ignicoccus hospitalis</i> - <i>Nanoarchaeum equitans</i> . <i>Genome Biology</i> , 2008, 9, R158.	3.8	104
25	Microbial goods from single cells and metagenomes. <i>Current Opinion in Microbiology</i> , 2008, 11, 195-197.	2.3	4
26	A korarchaeal genome reveals insights into the evolution of the Archaea. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 8102-8107.	3.3	253
27	Targeted Access to the Genomes of Low-Abundance Organisms in Complex Microbial Communities. <i>Applied and Environmental Microbiology</i> , 2007, 73, 3205-3214.	1.4	225
28	Salt Stress in <i>Desulfovibrio vulgaris</i> Hildenborough: an Integrated Genomics Approach. <i>Journal of Bacteriology</i> , 2006, 188, 4068-4078.	1.0	155
29	Capturing the uncultivated majority. <i>Current Opinion in Biotechnology</i> , 2006, 17, 236-240.	3.3	88
30	Environmental Whole-Genome Amplification To Access Microbial Populations in Contaminated Sediments. <i>Applied and Environmental Microbiology</i> , 2006, 72, 3291-3301.	1.4	213
31	High-Throughput Cultivation of Microorganisms Using Microcapsules. <i>Methods in Enzymology</i> , 2005, 397, 124-130.	0.4	90
32	Global Proteome Discovery Using an Online Three-Dimensional LC-MS/MS. <i>Journal of Proteome Research</i> , 2005, 4, 801-808.	1.8	87
33	New Methods to Access Microbial Diversity for Small Molecule Discovery. , 2005, , 275-293.		15
34	Unusual Microbial Xylanases from Insect Guts. <i>Applied and Environmental Microbiology</i> , 2004, 70, 3609-3617.	1.4	154
35	Tapping into microbial diversity. <i>Nature Reviews Microbiology</i> , 2004, 2, 141-150.	13.6	272
36	Exploring Nitrilase Sequence Space for Enantioselective Catalysis. <i>Applied and Environmental Microbiology</i> , 2004, 70, 2429-2436.	1.4	212

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37	The genome of <i>Nanoarchaeum equitans</i> : Insights into early archaeal evolution and derived parasitism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 12984-12988.	3.3	488
38	Nonlinear partial differential equations and applications: Cultivating the uncultured. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 15681-15686.	3.3	721
39	[34] Hydrogen-sulfur oxidoreductase complex from <i>Pyrodictium abyssi</i> . <i>Methods in Enzymology</i> , 2001, 331, 442-451.	0.4	8
40	The complete genome of the hyperthermophilic bacterium <i>Aquifex aeolicus</i> . <i>Nature</i> , 1998, 392, 353-358.	13.7	1,120
41	Anaerobic respiration with elemental sulfur and with disulfides. <i>FEMS Microbiology Reviews</i> , 1998, 22, 353-381.	3.9	225
42	Purification and properties of an extremely thermostable membrane-bound sulfur-reducing complex from the hyperthermophilic <i>Pyrodictium abyssi</i> . <i>FEBS Journal</i> , 1998, 252, 486-491.	0.2	45
43	<i>Thermococcus acidaminovorans</i> sp. nov., a new hyperthermophilic alkalophilic archaeon growing on amino acids. <i>Extremophiles</i> , 1998, 2, 109-114.	0.9	56
44	<i>Ferroglobus placidus</i> gen. nov., sp. nov., a novel hyperthermophilic archaeum that oxidizes Fe <sup>2+</sup> at neutral pH under anoxic conditions. <i>Archives of Microbiology</i> , 1996, 166, 308-314.	1.0	312
45	Lipid analysis of <i>Methanopyrus kandleri</i> . <i>FEMS Microbiology Letters</i> , 1996, 136, 199-202.	0.7	35
46	<i>Thermococcus alcaliphilus</i> sp. nov., a new hyperthermophilic archaeum growing on polysulfide at alkaline pH. <i>Archives of Microbiology</i> , 1995, 164, 390-395.	1.0	84
47	A Novel Unsaturated Archaeal Ether Core Lipid from the Hyperthermophile <i>Methanopyrus kandleri</i> . <i>Systematic and Applied Microbiology</i> , 1993, 16, 165-169.	1.2	66
48	Lignin-Derived Carbon Fiber as a Co-Product of Refining Cellulosic Biomass. <i>SAE International Journal of Materials and Manufacturing</i> , 0, 7, 115-121.	0.3	34
49	Single-Cell Genomics. , 0, , 267-278.		0