Martin Keller

List of Publications by Year
in descending order

49 papers	10,756 citations	126907 33 h-index	254184 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. Scientific Reports, 2015, 5, 16039.	3.3	38
2	Community Analysis of Plant Biomass-Degrading Microorganisms from Obsidian Pool, Yellowstone National Park. Microbial Ecology, 2015, 69, 333-345.	2.8	20
3	Lignin Valorization: Improving Lignin Processing in the Biorefinery. Science, 2014, 344, 1246843.	12.6	2,994
4	Accessing Microbial Communities Relevant to Biofuels Production. , 2014, , 565-576.		1
5	Draft Genome Sequences for Clostridium thermocellum Wild-Type Strain YS and Derived Cellulose Adhesion-Defective Mutant Strain AD2. Journal of Bacteriology, 2012, 194, 3290-3291.	2.2	27
6	Turning renewable resources into value-added polymer: development of lignin-based thermoplastic. Green Chemistry, 2012, 14, 3295.	9.0	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. Journal of Proteome Research, 2011, 10, 5302-5314.	3.7	33
8	Lignin content in natural <i>Populus</i> variants affects sugar release. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6300-6305.	7.1	515
9	Use of Label-Free Quantitative Proteomics To Distinguish the Secreted Cellulolytic Systems of Caldicellulosiruptor bescii and Caldicellulosiruptor obsidiansis. Applied and Environmental Microbiology, 2011, 77, 4042-4054.	3.1	71
10	Mutant alcohol dehydrogenase leads to improved ethanol tolerance in <i>Clostridium thermocellum</i>. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13752-13757.	7.1	159
11	Proteomic Characterization of Cellular and Molecular Processes that Enable the Nanoarchaeum equitans-Ignicoccus hospitalis Relationship. PLoS ONE, 2011, 6, e22942.	2.5	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. Current Opinion in Biotechnology, 2010, 21, 657-662.	6.6	93
14	Impact of elevated nitrate on sulfate-reducing bacteria: a comparative Study of <i>Desulfovibrio vulgaris</i>. ISME Journal, 2010, 4, 1386-1397.	9.8	67
15	<i>Caldicellulosiruptor obsidiansis</i> sp. nov., an Anaerobic, Extremely Thermophilic, Cellulolytic Bacterium Isolated from Obsidian Pool, Yellowstone National Park. Applied and Environmental Microbiology, 2010, 76, 1014-1020.	3.1	91
16	Bioenergy research: a new paradigm in multidisciplinary research. Journal of the Royal Society Interface, 2010, 7, 1391-1401.	3.4	21
17	Complete Genome Sequence of the Cellulolytic Thermophile <i>Caldicellulosiruptor obsidiansis</i> OB47 ^T. Journal of Bacteriology, 2010, 192, 6099-6100.	2.2	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. Microbiology Monographs, 2009, , 241-256.	0.6	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. Bioenergy Research, 2009, 2, 177-178.	3.9	5
21	The DOE BioEnergy Science Centerâ€"a U.S. Department of Energy Bioenergy Research Center. In Vitro Cellular and Developmental Biology - Plant, 2009, 45, 193-198.	2.1	8
22	Environmental Proteomics: a Paradigm Shift in Characterizing Microbial Activities at the Molecular Level. Microbiology and Molecular Biology Reviews, 2009, 73, 62-70.	6.6	111
23	How biotech can transform biofuels. Nature Biotechnology, 2008, 26, 169-172.	17.5	984
24	A genomic analysis of the archaeal system Ignicoccus hospitalis-Nanoarchaeum equitans. Genome Biology, 2008, 9, R158.	8.8	104
25	Microbial goods from single cells and metagenomes. Current Opinion in Microbiology, 2008, 11, 195-197.	5.1	4
26	A korarchaeal genome reveals insights into the evolution of the Archaea. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8102-8107.	7.1	253
27	Targeted Access to the Genomes of Low-Abundance Organisms in Complex Microbial Communities. Applied and Environmental Microbiology, 2007, 73, 3205-3214.	3.1	225
28	Salt Stress in Desulfovibrio vulgaris Hildenborough: an Integrated Genomics Approach. Journal of Bacteriology, 2006, 188, 4068-4078.	2.2	155
29	Capturing the uncultivated majority. Current Opinion in Biotechnology, 2006, 17, 236-240.	6.6	88
30	Environmental Whole-Genome Amplification To Access Microbial Populations in Contaminated Sediments. Applied and Environmental Microbiology, 2006, 72, 3291-3301.	3.1	213
31	Highâ€Throughput Cultivation of Microorganisms Using Microcapsules. Methods in Enzymology, 2005, 397, 124-130.	1.0	90
32	Global Proteome Discovery Using an Online Three-Dimensional LCâˆ'MS/MS. Journal of Proteome Research, 2005, 4, 801-808.	3.7	87
33	New Methods to Access Microbial Diversity for Small Molecule Discovery. , 2005, , 275-293.		15
34	Unusual Microbial Xylanases from Insect Guts. Applied and Environmental Microbiology, 2004, 70, 3609-3617.	3.1	154
35	Tapping into microbial diversity. Nature Reviews Microbiology, 2004, 2, 141-150.	28.6	272
36	Exploring Nitrilase Sequence Space for Enantioselective Catalysis. Applied and Environmental Microbiology, 2004, 70, 2429-2436.	3.1	212

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37	The genome of Nanoarchaeum equitans: Insights into early archaeal evolution and derived parasitism. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 12984-12988.	7.1	488
38	Cultivating the uncultured. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 15681-15686.	7.1	721
39	[34] Hydrogen-sulfur oxidoreductase complex from Pyrodictium abyssi. Methods in Enzymology, 2001, 331, 442-451.	1.0	8
40	The complete genome of the hyperthermophilic bacterium Aquifex aeolicus. Nature, 1998, 392, 353-358.	27.8	1,120
41	Anaerobic respiration with elemental sulfur and with disulfides. FEMS Microbiology Reviews, 1998, 22, 353-381.	8.6	225
42	Purification and properties of an extremely thermostable membrane-bound sulfur-reducing complex from the hyperthermophilic Pyrodictium abyssi. FEBS Journal, 1998, 252, 486-491.	0.2	45
43	Thermococcus acidaminovorans sp. nov., a new hyperthermophilic alkalophilic archaeon growing on amino acids. Extremophiles, 1998, 2, 109-114.	2.3	56
44	Ferroglobus placidus gen. nov., sp. nov., a novel hyperthermophilic archaeum that oxidizes Fe 2+ at neutral pH under anoxic conditions. Archives of Microbiology, 1996, 166, 308-314.	2.2	312
45	Lipid analysis ofMethanopyrus kandleri. FEMS Microbiology Letters, 1996, 136, 199-202.	1.8	35
46	Thermococcus alcaliphilus sp. nov., a new hyperthermophilic archaeum growing on polysulfide at alkaline pH. Archives of Microbiology, 1995, 164, 390-395.	2.2	84
47	A Novel Unsaturated Archaeal Ether Core Lipid from the Hyperthermophile Methanopyrus kandleri. Systematic and Applied Microbiology, 1993, 16, 165-169.	2.8	66
48	Lignin-Derived Carbon Fiber as a Co-Product of Refining Cellulosic Biomass. SAE International Journal of Materials and Manufacturing, 0, 7, 115-121.	0.3	34
49	Single-Cell Genomics. , 0, , 267-278.		0