Kelsey K Sakimoto

List of Publications by Year
in descending order

16 papers	3,542 citations	516710 16 h-index	839539 18 g-index
18 all docs	18 docs citations	18 times ranked	4642 citing authors

#	Article	IF	Citations
1	Physical Biology of the Materialsâ€“Microorganism Interface. Journal of the American Chemical Society, 2018, 140, 1978-1985.	13.7	115
2	Light-driven fine chemical production in yeast biohybrids. Science, 2018, 362, 813-816.	12.6	251
3	Bacteria photosensitized by intracellular gold nanoclusters for solar fuel production. Nature Nanotechnology, 2018, 13, 900-905.	31.5	362
4	Interfacing natureâ€™s catalytic machinery with synthetic materials for semi-artificial photosynthesis. Nature Nanotechnology, 2018, 13, 890-899.	31.5	322
5	Ambient nitrogen reduction cycle using a hybrid inorganicâ€“biological system. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6450-6455.	7.1	167
6	Cyborgian Material Design for Solar Fuel Production: The Emerging Photosynthetic Biohybrid Systems. Accounts of Chemical Research, 2017, 50, 476-481.	15.6	114
7	Biological-inorganic hybrid systems as a generalized platform for chemical production. Current Opinion in Chemical Biology, 2017, 41, 107-113.	6.1	36
8	Iron microbe: outfitting organisms for extreme environments. Biochemist, 2017, 39, 30-33.	0.5	3
9	Spectroscopic elucidation of energy transfer in hybrid inorganicâ€“biological organisms for solar-to-chemical production. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11750-11755.	7.1	125
10	Cysteineâ€“Cystine Photoregeneration for Oxygenic Photosynthesis of Acetic Acid from CO₂ by a Tandem Inorganicâ€“Biological Hybrid System. Nano Letters, 2016, 16, 5883-5887.	9.1	108
11	Self-photosensitization of nonphotosynthetic bacteria for solar-to-chemical production. Science, 2016, 351, 74-77.	12.6	770
12	Artificial Photosynthesis for Sustainable Fuel and Chemical Production. Angewandte Chemie - International Edition, 2015, 54, 3259-3266.	13.8	550
13	Nanowireâ€“Bacteria Hybrids for Unassisted Solar Carbon Dioxide Fixation to Value-Added Chemicals. Nano Letters, 2015, 15, 3634-3639.	9.1	362
14	Controlled Doping of Carbon Nanotubes with Metallocenes for Application in Hybrid Carbon Nanotube/Si Solar Cells. Nano Letters, 2014, 14, 3388-3394.	9.1	53
15	Salt-Induced Self-Assembly of Bacteria on Nanowire Arrays. Nano Letters, 2014, 14, 5471-5476.	9.1	48
16	Improved efficiency of smooth and aligned single walled carbon nanotube/silicon hybrid solar cells. Energy and Environmental Science, 2013, 6, 879.	30.8	87