Kengo Inoue

List of Publications by Year in descending order

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34	2,162	471371	434063
papers	citations	17	31
		h-index	g-index

35	35	35	2462
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tunable metallic-like conductivity in microbial nanowire networks. Nature Nanotechnology, 2011, 6, 573-579.	15.6	762
2	Purification and Characterization of OmcZ, an Outer-Surface, Octaheme c -Type Cytochrome Essential for Optimal Current Production by Geobacter sulfurreducens. Applied and Environmental Microbiology, 2010, 76, 3999-4007.	1.4	227
3	Specific localization of the câ€type cytochrome OmcZ at the anode surface in currentâ€producing biofilms of Geobacter sulfurreducens. Environmental Microbiology Reports, 2011, 3, 211-217.	1.0	214
4	Uptake of self-secreted flavins as bound cofactors for extracellular electron transfer in Geobacter species. Energy and Environmental Science, 2014, 7, 1357-1361.	15.6	176
5	Biochemical characterization of purified OmcS, a c-type cytochrome required for insoluble Fe(III) reduction in Geobacter sulfurreducens. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 404-412.	0.5	154
6	Synergistic degradation of pyrene by five culturable bacteria in a mangrove sediment-derived bacterial consortium. Journal of Hazardous Materials, 2018, 342, 561-570.	6.5	120
7	Characterization of Novel Carbazole Catabolism Genes from Gram-Positive Carbazole Degrader Nocardioides aromaticivorans IC177. Applied and Environmental Microbiology, 2006, 72, 3321-3329.	1.4	58
8	Diversity of carbazole-degrading bacteria having thecargene cluster: Isolation of a novel gram-positive carbazole-degrading bacterium. FEMS Microbiology Letters, 2005, 245, 145-153.	0.7	56
9	The Sphingomonas Plasmid pCAR3 Is Involved in Complete Mineralization of Carbazole. Journal of Bacteriology, 2007, 189, 2007-2020.	1.0	55
10	Electricity generation from cattle manure slurry by cassette-electrode microbial fuel cells. Journal of Bioscience and Bioengineering, 2013, 116, 610-615.	1.1	49
11	Divergent Structures of Carbazole DegradativecarOperons Isolated from Gram-negative Bacteria. Bioscience, Biotechnology and Biochemistry, 2004, 68, 1467-1480.	0.6	48
12	Structural insight into the substrate- and dioxygen-binding manner in the catalytic cycle of rieske nonheme iron oxygenase system, carbazole 1,9a-dioxygenase. BMC Structural Biology, 2012, 12, 15.	2.3	41
13	Electricity Generation from Rice Bran by a Microbial Fuel Cell and the Influence of Hydrodynamic Cavitation Pretreatment. ACS Omega, 2018, 3, 15267-15271.	1.6	32
14	Specific Interactions between the Ferredoxin and Terminal Oxygenase Components of a Class IIB Rieske Nonheme Iron Oxygenase, Carbazole 1,9a-Dioxygenase. Journal of Molecular Biology, 2009, 392, 436-451.	2.0	28
15	Novel Self-Transmissible and Broad-Host-Range Plasmids Exogenously Captured From Anaerobic Granules or Cow Manure. Frontiers in Microbiology, 2018, 9, 2602.	1.5	23
16	Electricity generation from sweet potato-shochu waste using microbial fuel cells. Journal of Bioscience and Bioengineering, 2019, 128, 56-63.	1.1	22
17	Identification of Multicomponent Histidine-Aspartate Phosphorelay System Controlling Flagellar and Motility Gene Expression in Geobacter Species. Journal of Biological Chemistry, 2012, 287, 10958-10966.	1.6	20
18	Structural Basis of the Divergent Oxygenation Reactions Catalyzed by the Rieske Nonheme Iron Oxygenase Carbazole 1,9a-Dioxygenase. Applied and Environmental Microbiology, 2014, 80, 2821-2832.	1.4	12

#	Article	IF	Citations
19	Crystallization and preliminary X-ray diffraction studies of the ferredoxin reductase component in the Rieske nonhaem iron oxygenase system carbazole 1,9a-dioxygenase. Acta Crystallographica Section F: Structural Biology Communications, 2007, 63, 499-502.	0.7	9
20	Unexpected genomic features of high current density-producing Geobacter sulfurreducens strain YM18. FEMS Microbiology Letters, 2021, 368, .	0.7	8
21	Crystallization and preliminary X-ray diffraction studies of the terminal oxygenase component of carbazole 1,9a-dioxygenase fromNocardioides aromaticivoransIC177. Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 1212-1214.	0.7	6
22	Crystallization and preliminary crystallographic analysis of the ferredoxin component of carbazole 1,9a-dioxygenase fromNocardioides aromaticivoransIC177. Acta Crystallographica Section F: Structural Biology Communications, 2007, 63, 855-857.	0.7	5
23	Crystallization and preliminary X-ray diffraction studies of a novel ferredoxin involved in the dioxygenation of carbazole byNovosphingobiumsp. KA1. Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 632-635.	0.7	5
24	Proteolytic Maturation of the Outer Membrane c -Type Cytochrome OmcZ by a Subtilisin-Like Serine Protease Is Essential for Optimal Current Production by Geobacter sulfurreducens. Applied and Environmental Microbiology, 2021, 87, e0261720.	1.4	5
25	Performance of stacked microbial fuel cells with barleyâ€“shochu waste. Journal of Bioscience and Bioengineering, 2022, 133, 467-473.	1.1	5
26	Crystallization and preliminary X-ray diffraction studies of a ferredoxin reductase component of carbazole 1,9a-dioxygenase fromNovosphingobiumsp. KA1. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 712-714.	0.7	4
27	Determination of Plasmid pSN1216-29 Host Range and the Similarity in Oligonucleotide Composition Between Plasmid and Host Chromosomes. Frontiers in Microbiology, 2020, 11, 1187.	1.5	4
28	Extracellular Electron Transfer in Bioelectrochemically Active Microorganisms. , 2020, , 33-41.		4
29	Crystallization and preliminary X-ray diffraction studies of a terminal oxygenase of carbazole 1,9a-dioxygenase fromNovosphingobiumsp. KA1. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 1480-1483.	0.7	3
30	Complete Genome Sequence of Geobacter sulfurreducens Strain YM18, Isolated from River Sediment in Japan. Genome Announcements, 2018, 6, .	0.8	3
31	Complete Genome Sequence of High Current-Producing Geobacter sulfurreducens Strain YM35, Isolated from River Sediment in Japan. Microbiology Resource Announcements, 2021, 10, e0053921.	0.3	2
32	Crystal structure of the ferredoxin reductase component of carbazole 1,9a-dioxygenase from Janthinobacterium sp. J3. Acta Crystallographica Section D: Structural Biology, 2021, 77, 921-932.	1.1	1
33	1P-023 Crystal structure of the ferredoxin reductase component in the Rieske non-heme iron oxygenase system, carbazole 1, 9a-dioxygenase(The 46th Annual Meeting of the Biophysical Society of) Tj ETQq1 1 0.784314 rgBT /Ove		
34	A Basic Introduction to Aerobic Biodegradation of Petroleum Aromatic Compounds. , 2015, , 5.1.5-1-5.1.5-18.		0