Kouta Takeda

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/108850/publications.pdf

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21	334	932766 10	839053 18
papers	citations	h-index	g-index

21	21	21	353
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An amperometric biosensor of L-fucose in urine for the first screening test of cancer. Biosensors and Bioelectronics, 2021, 174, 112831.	5.3	24
2	Biosensors: Enzyme Sensors. , 2021, , .		0
3	Structural Characterization of Y29F Mutant of Thermoglobin from a Hyperthermophilic Bacterium Aquifex aeolicus. Chemistry Letters, 2021, 50, 603-606.	0.7	0
4	Development of a Copper-electrodeposited Gold Electrode for an Amperometric Creatinine Sensor to Detect Creatinine in Urine without Pretreatment. Electrochemistry, 2021, 89, 313-316.	0.6	2
5	Direct electron transfer process of pyrroloquinoline quinoneâ€"dependent and flavin adenine dinucleotideâ€"dependent dehydrogenases: Fundamentals and applications. Current Opinion in Electrochemistry, 2021, 29, 100747.	2.5	8
6	Discovery of a novel quinohemoprotein from a eukaryote and its application in electrochemical devices. Bioelectrochemistry, 2020, 131, 107372.	2.4	10
7	Bioelectrocatalysis based on direct electron transfer of fungal pyrroloquinoline quinone-dependent dehydrogenase lacking the cytochrome domain. Electrochimica Acta, 2020, 359, 136982.	2.6	10
8	Crystal Structure of the Catalytic and Cytochrome b Domains in a Eukaryotic Pyrroloquinoline Quinone-Dependent Dehydrogenase. Applied and Environmental Microbiology, 2019, 85, .	1.4	17
9	Fungal PQQ-dependent dehydrogenases and their potential in biocatalysis. Current Opinion in Chemical Biology, 2019, 49, 113-121.	2.8	22
10	Enzymes Suitable for Biorefinery to Coproduce Hexaric Acids and Electricity from Hexuronic Acids Derived from Biomass. Energy Technology, 2018, 6, 273-279.	1.8	13
11	A method of expression for an oxygen-tolerant group III alcohol dehydrogenase from Pyrococcus horikoshii OT3. Journal of Biological Inorganic Chemistry, 2017, 22, 527-534.	1.1	3
12	Immobilization of Pyrroloquinoline Quinone-Dependent Alcohol Dehydrogenase with a Polyion Complex and Redox Polymer for a Bioanode. Catalysts, 2017, 7, 296.	1.6	3
13	Pyrroloquinoline quinone-dependent glucose dehydrogenase anode: d-Galacturonic acid oxidation and galactaric acid production. Journal of Molecular Catalysis B: Enzymatic, 2016, 133, S76-S79.	1.8	9
14	pH-dependent electron transfer reaction and direct bioelectrocatalysis of the quinohemoprotein pyranose dehydrogenase. Biochemical and Biophysical Research Communications, 2016, 477, 369-373.	1.0	18
15	Real-Time Dynamic Adsorption Processes of Cytochrome c on an Electrode Observed through Electrochemical High-Speed Atomic Force Microscopy. PLoS ONE, 2015, 10, e0116685.	1.1	8
16	A Novel Pyrroloquinoline Quinone-Dependent 2-Keto- <scp>d</scp> -Glucose Dehydrogenase from Pseudomonas aureofaciens. Journal of Bacteriology, 2015, 197, 1322-1329.	1.0	21
17	Multi-enzyme anode composed of FAD-dependent and NAD-dependent enzymes with a single ruthenium polymer mediator for biofuel cells. Electrochemistry Communications, 2015, 56, 75-78.	2.3	18
18	Characterization of a Novel PQQ-Dependent Quinohemoprotein Pyranose Dehydrogenase from Coprinopsis cinerea Classified into Auxiliary Activities Family 12 in Carbohydrate-Active Enzymes. PLoS ONE, 2015, 10, e0115722.	1.1	48

#	Article	IF	Citations
19	Effect of amines as activators on the alcohol-oxidizing activity of pyrroloquinoline quinone-dependent quinoprotein alcohol dehydrogenase. Bioscience, Biotechnology and Biochemistry, 2014, 78, 1195-1198.	0.6	3
20	Discovery of a Eukaryotic Pyrroloquinoline Quinone-Dependent Oxidoreductase Belonging to a New Auxiliary Activity Family in the Database of Carbohydrate-Active Enzymes. PLoS ONE, 2014, 9, e104851.	1.1	65
21	The two-step electrochemical oxidation of alcohols using a novel recombinant PQQ alcohol dehydrogenase as a catalyst for a bioanode. Bioelectrochemistry, 2013, 94, 75-78.	2.4	32