

# Yuya Hibino

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7217807/publications.pdf>

Version: 2024-02-01

11  
papers

316  
citations

1040056

9  
h-index

1281871

11  
g-index

11  
all docs

11  
docs citations

11  
times ranked

225  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Sensitive Membraneless Fructose Biosensor Based on Fructose Dehydrogenase Immobilized onto Aryl Thiol Modified Highly Porous Gold Electrode: Characterization and Application in Food Samples. <i>Analytical Chemistry</i> , 2018, 90, 12131-12136.	6.5	58
2	Enhanced Direct Electron Transfer of Fructose Dehydrogenase Rationally Immobilized on a 2-Aminoanthracene Diazonium Cation Grafted Single-Walled Carbon Nanotube Based Electrode. <i>ACS Catalysis</i> , 2018, 8, 10279-10289.	11.2	43
3	Construction of a protein-engineered variant of d-fructose dehydrogenase for direct electron transfer-type bioelectrocatalysis. <i>Electrochemistry Communications</i> , 2017, 77, 112-115.	4.7	38
4	The influence of pH and divalent/monovalent cations on the internal electron transfer (IET), enzymatic activity, and structure of fructose dehydrogenase. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 3253-3264.	3.7	35
5	Mutation of heme c axial ligands in d-fructose dehydrogenase for investigation of electron transfer pathways and reduction of overpotential in direct electron transfer-type bioelectrocatalysis. <i>Electrochemistry Communications</i> , 2016, 67, 43-46.	4.7	34
6	Interaction between d-fructose dehydrogenase and methoxy-substituent-functionalized carbon surface to increase productive orientations. <i>Electrochimica Acta</i> , 2016, 218, 41-46.	5.2	30
7	Ultimate downsizing of d-fructose dehydrogenase for improving the performance of direct electron transfer-type bioelectrocatalysis. <i>Electrochemistry Communications</i> , 2019, 98, 101-105.	4.7	30
8	The influence of the shape of Au nanoparticles on the catalytic current of fructose dehydrogenase. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 7645-7657.	3.7	21
9	Protein-Engineering Improvement of Direct Electron Transfer-Type Bioelectrocatalytic Properties of d-Fructose Dehydrogenase. <i>Electrochemistry</i> , 2019, 87, 47-51.	1.4	18
10	Discussion on Direct Electron Transfer-Type Bioelectrocatalysis of Downsized and Axial-Ligand Exchanged Variants of d-Fructose Dehydrogenase. <i>Electrochemistry</i> , 2020, 88, 195-199.	1.4	8
11	Applicable Measuring Range of Two-Electrode Type Commercial Electrolytic Conductivity Meter for Accurate Determination of Electrolytic Conductivity. <i>Journal of Chemistry</i> , 2022, 2022, 1-6.	1.9	1