

Matteo Sensi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2629858/publications.pdf>

Version: 2024-02-01

20
papers

557
citations

623734

14
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

656
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of O ₂ diffusion and reduction in FeFe hydrogenases. <i>Nature Chemistry</i> , 2017, 9, 88-95.	13.6	105
2	Electrochemical Investigations of Hydrogenases and Other Enzymes That Produce and Use Solar Fuels. <i>Accounts of Chemical Research</i> , 2018, 51, 769-777.	15.6	55
3	Label free detection of plant viruses with organic transistor biosensors. <i>Sensors and Actuators B: Chemical</i> , 2019, 281, 150-156.	7.8	55
4	Flexible Printed Organic Electrochemical Transistors for the Detection of Uric Acid in Artificial Wound Exudate. <i>Advanced Materials Interfaces</i> , 2020, 7, 2001218.	3.7	50
5	New perspectives in hydrogenase direct electrochemistry. <i>Current Opinion in Electrochemistry</i> , 2017, 5, 135-145.	4.8	49
6	Harnessing Selectivity and Sensitivity in Electronic Biosensing: A Novel Lab-on-Chip Multigate Organic Transistor. <i>Analytical Chemistry</i> , 2020, 92, 9330-9337.	6.5	33
7	Reactivity of the Excited States of the H-Cluster of FeFe Hydrogenases. <i>Journal of the American Chemical Society</i> , 2016, 138, 13612-13618.	13.7	25
8	Interaction of the H-Cluster of FeFe Hydrogenase with Halides. <i>Journal of the American Chemical Society</i> , 2018, 140, 5485-5492.	13.7	25
9	Label free detection of miRNA-21 with electrolyte gated organic field effect transistors (EGOFETs). <i>Biosensors and Bioelectronics</i> , 2021, 182, 113144.	10.1	25
10	Neuromorphic Organic Devices that Specifically Discriminate Dopamine from Its Metabolites by Nonspecific Interactions. <i>Advanced Functional Materials</i> , 2020, 30, 2002141.	14.9	21
11	Anti-drug antibody detection with label-free electrolyte-gated organic field-effect transistors. <i>Chemical Communications</i> , 2021, 57, 367-370.	4.1	20
12	Modulating the Faradic Operation of All-Printed Organic Electrochemical Transistors by Facile in Situ Modification of the Gate Electrode. <i>ACS Omega</i> , 2019, 4, 5374-5381.	3.5	19
13	Photoinhibition of FeFe Hydrogenase. <i>ACS Catalysis</i> , 2017, 7, 7378-7387.	11.2	17
14	First-Principles Calculations on Ni,Fe-Containing Carbon Monoxide Dehydrogenases Reveal Key Stereoelectronic Features for Binding and Release of CO ₂ to/from the C-Cluster. <i>Inorganic Chemistry</i> , 2021, 60, 387-402.	4.0	15
15	Monitoring DNA Hybridization with Organic Electrochemical Transistors Functionalized with Polydopamine. <i>Macromolecular Materials and Engineering</i> , 2022, 307, .	3.6	12
16	Physical insights from the Frumkin isotherm applied to electrolyte gated organic transistors as protein biosensors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 10965-10974.	5.5	11
17	Green Fabrication of (6,5)Carbon Nanotube/Protein Transistor Endowed with Specific Recognition. <i>Advanced Electronic Materials</i> , 2021, 7, 2001114.	5.1	11
18	Photochemistry and photoinhibition of the H-cluster of FeFe hydrogenases. <i>Sustainable Energy and Fuels</i> , 2021, 5, 4248-4260.	4.9	7

#	ARTICLE	IF	CITATIONS
19	Neuromorphic Organic Devices: Neuromorphic Organic Devices that Specifically Discriminate Dopamine from Its Metabolites by Nonspecific Interactions (Adv. Funct. Mater. 28/2020). Advanced Functional Materials, 2020, 30, 2070187.	14.9	2
20	Biosensing with Electrolyte Gated Organic Field Effect Transistors. Materials Research Foundations, 2019, , 71-96.	0.3	0