Matteo Sensi

List of Publications by Year
in descending order

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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	Monitoring DNA Hybridization with Organic Electrochemical Transistors Functionalized with Polydopamine. Macromolecular Materials and Engineering, 2022, 307, .	3.6	12
2	First-Principles Calculations on Ni,Fe-Containing Carbon Monoxide Dehydrogenases Reveal Key Stereoelectronic Features for Binding and Release of CO₂ to/from the C-Cluster. Inorganic Chemistry, 2021, 60, 387-402.	4.0	15
3	Physical insights from the Frumkin isotherm applied to electrolyte gated organic transistors as protein biosensors. Journal of Materials Chemistry C, 2021, 9, 10965-10974.	5.5	11
4	Green Fabrication of (6,5)Carbon Nanotube/Protein Transistor Endowed with Specific Recognition. Advanced Electronic Materials, 2021, 7, 2001114.	5.1	11
5	Label free detection of miRNA-21 with electrolyte gated organic field effect transistors (EGOFETs). Biosensors and Bioelectronics, 2021, 182, 113144.	10.1	25
6	Anti-drug antibody detection with label-free electrolyte-gated organic field-effect transistors. Chemical Communications, 2021, 57, 367-370.	4.1	20
7	Photochemistry and photoinhibition of the H-cluster of FeFe hydrogenases. Sustainable Energy and Fuels, 2021, 5, 4248-4260.	4.9	7
8	Flexible Printed Organic Electrochemical Transistors for the Detection of Uric Acid in Artificial Wound Exudate. Advanced Materials Interfaces, 2020, 7, 2001218.	3.7	50
9	Neuromorphic Organic Devices that Specifically Discriminate Dopamine from Its Metabolites by Nonspecific Interactions. Advanced Functional Materials, 2020, 30, 2002141.	14.9	21
10	Harnessing Selectivity and Sensitivity in Electronic Biosensing: A Novel Lab-on-Chip Multigate Organic Transistor. Analytical Chemistry, 2020, 92, 9330-9337.	6.5	33
11	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
12	Modulating the Faradic Operation of All-Printed Organic Electrochemical Transistors by Facile in Situ Modification of the Gate Electrode. ACS Omega, 2019, 4, 5374-5381.	3.5	19
13	Label free detection of plant viruses with organic transistor biosensors. Sensors and Actuators B: Chemical, 2019, 281, 150-156.	7.8	55
14	Biosensing with Electrolyte Gated Organic Field Effect Transistors. Materials Research Foundations, 2019, , 71-96.	0.3	0
15	Electrochemical Investigations of Hydrogenases and Other Enzymes That Produce and Use Solar Fuels. Accounts of Chemical Research, 2018, 51, 769-777.	15.6	55
16	Interaction of the H-Cluster of FeFe Hydrogenase with Halides. Journal of the American Chemical Society, 2018, 140, 5485-5492.	13.7	25
17	Photoinhibition of FeFe Hydrogenase. ACS Catalysis, 2017, 7, 7378-7387.	11.2	17
18	New perspectives in hydrogenase direct electrochemistry. Current Opinion in Electrochemistry, 2017, 5, 135-145.	4.8	49

#	Article	IF	Citations
19	Mechanism of O2 diffusion and reduction in FeFe hydrogenases. Nature Chemistry, 2017, 9, 88-95.	13.6	105
20	Reactivity of the Excited States of the H-Cluster of FeFe Hydrogenases. Journal of the American Chemical Society, 2016, 138, 13612-13618.	13.7	25