Michele Di Lauro

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5780711/publications.pdf

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28	706	567281 15	552781 26
papers	citations	h-index	g-index

28	28	28	852
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electrolyte-gated organic synapse transistor interfaced with neurons. Organic Electronics, 2016, 38, 21-28.	2.6	69
2	EGOFET Peptide Aptasensor for Labelâ€Free Detection of Inflammatory Cytokines in Complex Fluids. Advanced Biology, 2018, 2, 1700072.	3.0	63
3	Biorecognition in Organic Field Effect Transistors Biosensors: The Role of the Density of States of the Organic Semiconductor. Analytical Chemistry, 2016, 88, 12330-12338.	6.5	58
4	Label free detection of plant viruses with organic transistor biosensors. Sensors and Actuators B: Chemical, 2019, 281, 150-156.	7.8	55
5	Electrodeposited PEDOT:Nafion Composite for Neural Recording and Stimulation. Advanced Healthcare Materials, 2019, 8, e1900765.	7.6	51
6	Label-free detection of interleukin-6 using electrolyte gated organic field effect transistors. Biointerphases, 2017, 12, 05F401.	1.6	46
7	Label free urea biosensor based on organic electrochemical transistors. Flexible and Printed Electronics, 2018, 3, 024001.	2.7	43
8	Scaling of capacitance of PEDOT:PSS: volumevs.area. Journal of Materials Chemistry C, 2020, 8, 11252-11262.	5.5	42
9	Specific Dopamine Sensing Based on Short-Term Plasticity Behavior of a Whole Organic Artificial Synapse. ACS Sensors, 2017, 2, 1756-1760.	7.8	35
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	Poly(3,4â€ethylenedioxythiophene)â€Based Neural Interfaces for Recording and Stimulation: Fundamental Aspects and In Vivo Applications. Advanced Science, 2022, 9, e2104701.	11.2	32
12	Liquidâ€Gated Organic Electronic Devices Based on Highâ€Performance Solutionâ€Processed Molecular Semiconductor. Advanced Electronic Materials, 2017, 3, 1700159.	5.1	28
13	Neuromorphic Organic Devices that Specifically Discriminate Dopamine from Its Metabolites by Nonspecific Interactions. Advanced Functional Materials, 2020, 30, 2002141.	14.9	21
14	A Bacterial Photosynthetic Enzymatic Unit Modulating Organic Transistors with Light. Advanced Electronic Materials, 2020, 6, 1900888.	5.1	19
15	The Substrate is a pH-Controlled Second Gate of Electrolyte-Gated Organic Field-Effect Transistor. ACS Applied Materials & Interfaces, 2016, 8, 31783-31790.	8.0	17
16	Tunable Short-Term Plasticity Response in Three-Terminal Organic Neuromorphic Devices. ACS Applied Electronic Materials, 2020, 2, 1849-1854.	4.3	16
17	Water-Based PEDOT:Nafion Dispersion for Organic Bioelectronics. ACS Applied Materials & Interfaces, 2020, 12, 29807-29817.	8.0	13
18	Tribological response of laser-textured steel pins with low-dimensional micrometric patterns. Tribology International, 2020, 149, 105548.	5.9	9

#	Article	IF	Citations
19	Electrowetting of Nitro-Functionalized Oligoarylene Thiols Self-Assembled on Polycrystalline Gold. ACS Applied Materials & Interfaces, 2015, 7, 3902-3909.	8.0	8
20	Whole organic electronic synapses for dopamine detection. , 2016, , .		8
21	Photophysical Characterization and Recognition Behaviour of a Bis(dansylated) Polyoxometalate. European Journal of Inorganic Chemistry, 2016, 2016, 3405-3410.	2.0	7
22	A Novel Biasing Scheme of Electrolyteâ€Gated Organic Transistors for Safe In Vivo Amplification of Electrophysiological Signals. Advanced Materials Interfaces, 2022, 9, .	3.7	7
23	Photovoltage generation in enzymatic bio-hybrid architectures. MRS Advances, 2020, 5, 985-990.	0.9	6
24	Flexible Neural Interfaces Based on 3D PEDOT:PSS Micropillar Arrays. Advanced Materials Interfaces, 2022, 9, .	3.7	6
25	Exploiting interfacial phenomena in organic bioelectronics: Conformable devices for bidirectional communication with living systems. Colloids and Surfaces B: Biointerfaces, 2018, 168, 143-147.	5.0	5
26	Implantable Organic Artificial Synapses Exhibiting Crossover between Depressive and Facilitative Plasticity Response. Advanced Electronic Materials, 0, , 2100755.	5.1	5
27	Accurate ro-vibrational rest frequencies of DC4H at infrared and millimetre wavelengths. Astronomy and Astrophysics, 2013, 549, A38.	5.1	2
28	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