

Francesca Leonardi

List of Publications by Year in descending order

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33
papers

1,753
citations

430874

18
h-index

395702

33
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34
all docs

34
docs citations

34
times ranked

3087
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-assembled monolayers in organic electronics. <i>Chemical Society Reviews</i> , 2017, 46, 40-71.	38.1	437
2	Organic field-effect transistor for label-free dopamine sensing. <i>Organic Electronics</i> , 2013, 14, 156-163.	2.6	156
3	Electrochemical Functionalization of Graphene at the Nanoscale with Self-Assembling Diazonium Salts. <i>ACS Nano</i> , 2016, 10, 7125-7134.	14.6	132
4	Water-gated organic field effect transistors "opportunities for biochemical sensing and extracellular signal transduction. <i>Journal of Materials Chemistry B</i> , 2013, 1, 3728.	5.8	131
5	Multiscale Sensing of Antibody-Antigen Interactions by Organic Transistors and Single-Molecule Force Spectroscopy. <i>ACS Nano</i> , 2015, 9, 5051-5062.	14.6	113
6	Organic Semiconductor/Polymer Blend Films for Organic Field-Effect Transistors. <i>Advanced Materials Technologies</i> , 2019, 4, 1900104.	5.8	95
7	Control of Polymorphism and Morphology in Solution Sheared Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2017, 27, 1700526.	14.9	82
8	Double layer capacitance measured by organic field effect transistor operated in water. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	69
9	Ambipolar Multi-Stripe Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2011, 23, 5091-5097.	21.0	62
10	High performing solution-coated electrolyte-gated organic field-effect transistors for aqueous media operation. <i>Scientific Reports</i> , 2016, 6, 39623.	3.3	53
11	Logic-Gate Devices Based on Printed Polymer Semiconducting Nanostripes. <i>Nano Letters</i> , 2013, 13, 3643-3647.	9.1	44
12	Electrolyte-Gated Organic Field-Effect Transistor Based on a Solution Sheared Organic Semiconductor Blend. <i>Advanced Materials</i> , 2016, 28, 10311-10316.	21.0	44
13	Bioelectronic Recordings of Cardiomyocytes with Accumulation Mode Electrolyte Gated Organic Field Effect Transistors. <i>Biosensors and Bioelectronics</i> , 2020, 150, 111844.	10.1	36
14	Patterned conductive nanostructures from reversible self-assembly of 1D coordination polymer. <i>Chemical Science</i> , 2012, 3, 2047.	7.4	28
15	Targeting ordered oligothiophene fibers with enhanced functional properties by interplay of self-assembly and wet lithography. <i>Journal of Materials Chemistry</i> , 2012, 22, 20852.	6.7	25
16	A Solid-State Aqueous Electrolyte-Gated Field-Effect Transistor as a Low-Voltage Operation Pressure-Sensitive Platform. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900719.	3.7	22
17	Modification of the gate electrode by self-assembled monolayers in flexible electrolyte-gated organic field effect transistors: work function vs. capacitance effects. <i>RSC Advances</i> , 2018, 8, 27509-27515.	3.6	21
18	Mono/bidentate thiol oligoarylene-based self-assembled monolayers (SAMs) for interface engineering. <i>Journal of Materials Chemistry</i> , 2012, 22, 12155.	6.7	19

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19	Organic field-effect transistors as new paradigm for large-area molecular junctions. <i>Organic Electronics</i> , 2012, 13, 789-795.	2.6	19
20	Self-Assembly of Mono- And Bidentate Oligoarylene Thiols onto Polycrystalline Au. <i>Langmuir</i> , 2013, 29, 13198-13208.	3.5	19
21	Mercury-Mediated Organic Semiconductor Surface Doping Monitored by Electrolyte-Gated Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2017, 27, 1703899.	14.9	19
22	Nanoscale Mapping of the Conductivity and Interfacial Capacitance of an Electrolyte-Gated Organic Field-Effect Transistor under Operation. <i>Advanced Functional Materials</i> , 2021, 31, 2008032.	14.9	19
23	Miniaturized Electronic Circuit Design Challenges for Ingestible Devices. <i>Journal of Microelectromechanical Systems</i> , 2020, 29, 645-652.	2.5	16
24	Water-gated organic transistors on polyethylene naphthalate films. <i>Flexible and Printed Electronics</i> , 2016, 1, 025005.	2.7	14
25	Carbon-paste nanocomposites as unconventional gate electrodes for electrolyte-gated organic field-effect transistors: electrical modulation and bio-sensing. <i>Journal of Materials Chemistry C</i> , 2019, 7, 14993-14998.	5.5	14
26	Electrochemical Fabrication of Surface Chemical Gradients in Thiol Self-Assembled Monolayers with Tailored Work-Functions. <i>Langmuir</i> , 2014, 30, 11591-11598.	3.5	13
27	Solution-sheared thin films of a donor-acceptor random copolymer/polystyrene blend as active material in field-effect transistors. <i>Materials Science in Semiconductor Processing</i> , 2019, 93, 105-110.	4.0	11
28	Hydrophilic self-assembly monolayers for pentacene-based thin-film transistors. <i>Organic Electronics</i> , 2013, 14, 1891-1897.	2.6	10
29	Electrical release of dopamine and levodopa mediated by amphiphilic β -cyclodextrins immobilized on polycrystalline gold. <i>Nanoscale</i> , 2015, 7, 20025-20032.	5.6	10
30	Interplay between Electrolyte-Gated Organic Field-Effect Transistors and Surfactants: A Surface Aggregation Tool and Protecting Semiconducting Layer. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 30902-30909.	8.0	7
31	High Performance Organic Field-Effect Transistors with Solid and Aqueous Dielectric Based on a Solution Sheared Sulfur-Bridged Annulene Derivative. <i>Advanced Electronic Materials</i> , 2018, 4, 1700349.	5.1	6
32	Charge-Injection Organic Gauges to Detect Dopamine Down to the Nanomolar Scale. <i>IEEE Transactions on Electron Devices</i> , 2015, 62, 4251-4257.	3.0	5
33	Amperometric Monitoring of Dissolution of pH-Responsive EUDRAGIT® Polymer Film Coatings. <i>Micromachines</i> , 2022, 13, 362.	2.9	2