

Giovanni Ligorio

List of Publications by Year in descending order

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430442

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46
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1809
citing authors

#	ARTICLE	IF	CITATIONS
1	Harnessing the Liquid-Phase Exfoliation of Graphene Using Aliphatic Compounds: A Supramolecular Approach. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10355-10361.	7.2	92
2	Surface Modification of ZnO(0001)-Zn with Phosphonate-Based Self-Assembled Monolayers: Binding Modes, Orientation, and Work Function. <i>Chemistry of Materials</i> , 2014, 26, 5042-5050.	3.2	66
3	Bright Blue Solution Processed Triple-Layer Polymer Light-Emitting Diodes Realized by Thermal Layer Stabilization and Orthogonal Solvents. <i>Advanced Functional Materials</i> , 2013, 23, 4897-4905.	7.8	50
4	Tuning the Work Function of Graphene-on-Quartz with a High Weight Molecular Acceptor. <i>Journal of Physical Chemistry C</i> , 2014, 118, 4784-4790.	1.5	50
5	Nanocrystalline Ga ₂ O ₃ films deposited by spray pyrolysis from water-based solutions on glass and TCO substrates. <i>Journal of Materials Chemistry C</i> , 2019, 7, 69-77.	2.7	43
6	Tuning the Electronic Structure of Graphene by Molecular Dopants: Impact of the Substrate. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 19134-19144.	4.0	34
7	Energy-Level Engineering at ZnO/Oligophenylene Interfaces with Phosphonate-Based Self-Assembled Monolayers. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 11900-11907.	4.0	33
8	Polymer interlayers on flexible PET substrates enabling ultra-high performance, ITO-free dielectric/metal/dielectric transparent electrode. <i>Materials and Design</i> , 2019, 168, 107663.	3.3	33
9	Simultaneous in situ measurements of x-ray reflectivity and optical spectroscopy during organic semiconductor thin film growth. <i>Applied Physics Letters</i> , 2010, 97, 063301.	1.5	31
10	2D-MoS ₂ goes 3D: transferring optoelectronic properties of 2D MoS ₂ to a large-area thin film. <i>Npj 2D Materials and Applications</i> , 2021, 5, .	3.9	31
11	Effective Work Function Reduction of Practical Electrodes Using an Organometallic Dimer. <i>Advanced Functional Materials</i> , 2016, 26, 2493-2502.	7.8	28
12	Truly Low Temperature Sintering of Printed Copper Ink Using Formic Acid. <i>Advanced Materials Technologies</i> , 2018, 3, 1800146.	3.0	27
13	Dynamic Photoswitching of Electron Energy Levels at Hybrid ZnO/Organic Photochromic Molecule Junctions. <i>Advanced Functional Materials</i> , 2018, 28, 1800716.	7.8	26
14	Thermally Activated Gold-Mediated Transition Metal Dichalcogenide Exfoliation and a Unique Gold-Mediated Transfer. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 2000408.	1.2	25
15	All-solution-processed multilayer polymer/dendrimer light emitting diodes. <i>Organic Electronics</i> , 2016, 35, 164-170.	1.4	22
16	Versatile and Scalable Strategy To Grow Sol-Gel Derived 2H-MoS ₂ Thin Films with Superior Electronic Properties: A Memristive Case. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 34392-34400.	4.0	22
17	Dynamically Switching the Electronic and Electrostatic Properties of Indium-Tin Oxide Electrodes with Photochromic Monolayers: Toward Photoswitchable Optoelectronic Devices. <i>ACS Applied Nano Materials</i> , 2019, 2, 1102-1110.	2.4	20
18	Electronic structure of CuTPP and CuTPP(F) complexes: a combined experimental and theoretical study II. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 24890-24904.	1.3	19

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19	Electronic structures of CuTPP and CuTPP(F) complexes. A combined experimental and theoretical study I. Physical Chemistry Chemical Physics, 2016, 18, 18727-18738.	1.3	16
20	Modulating the luminance of organic light-emitting diodes <i>via</i> optical stimulation of a photochromic molecular monolayer at transparent oxide electrode. Nanoscale, 2020, 12, 5444-5451.	2.8	14
21	Conduction mechanisms in epitaxial NiO/Graphene gas sensors. Sensors and Actuators B: Chemical, 2020, 325, 128797.	4.0	14
22	Switching the Electronic Properties of ZnO Surfaces with Negative Tâ€¢Type Photochromic Pyridylâ€¢dihydropyrene Layers and Impact of Fermi Level Pinning. Advanced Materials Interfaces, 2019, 6, 1900211.	1.9	13
23	High performance organic light-emitting diodes employing ITO-free and flexible TiO_x/Ag/Al:ZnO electrodes. RSC Advances, 2021, 11, 17324-17331.	1.7	13
24	Using Combinatorial Inkjet Printing for Synthesis and Deposition of Metal Halide Perovskites in Wavelengthâ€¢Selective Photodetectors. Advanced Engineering Materials, 2022, 24, 2101111.	1.6	13
25	Real-time X-ray scattering studies on temperature dependence of perfluoropentacene thin film growth. Journal of Applied Physics, 2013, 114, 043515.	1.1	12
26	Potential modulations in flatland: near-infrared sensitization of MoS2 phototransistors by a solvatochromic dye directly tethered to sulfur vacancies. Scientific Reports, 2019, 9, 16682.	1.6	11
27	Lithography-Free Miniaturization of Resistive Nonvolatile Memory Devices to the 100 nm Scale by Glancing Angle Deposition. Nano Letters, 2017, 17, 1149-1153.	4.5	11
28	Fast sputter deposition of MoOx/metal/MoOx transparent electrodes on glass and PET substrates. Journal of Materials Science, 2021, 56, 9047-9064.	1.7	10
29	Low Temperature Heating of Silverâ€¢Mediated Exfoliation of MoS₂. Advanced Materials Interfaces, 2022, 9, .	1.9	9
30	Ligand-Field Strength and Symmetry-Restricted Covalency in CuIIComplexes - a Near-Edge X-ray Absorption Fine Structure Spectroscopy and Time-Dependent DFT Study. European Journal of Inorganic Chemistry, 2015, 2015, 2707-2713.	1.0	8
31	Organic Semiconductor/Gold Interface Interactions: From Physisorption on Planar Surfaces to Chemical Reactions with Metal Nanoparticles. ChemPhysChem, 2015, 16, 2602-2608.	1.0	8
32	Large and continuous tuning of the work function of indium tin oxide using simple mixing of self-assembled monolayers. Applied Physics Letters, 2020, 116, .	1.5	8
33	Rapid Processing of In-Doped ZnO by Spray Pyrolysis from Environment-Friendly Precursor Solutions. Coatings, 2019, 9, 245.	1.2	7
34	Simultaneous Effect of Ultraviolet Radiation and Surface Modification on the Work Function and Hole Injection Properties of ZnO Thin Films. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 1900876.	0.8	6
35	Charging and exciton-mediated discharging of metal nanoparticles in organic semiconductor matrices. Applied Physics Letters, 2014, 104, 163302.	1.5	5
36	Using Active Surface Plasmons in a Multibit Optical Storage Device to Emulate Longâ€¢Term Synaptic Plasticity. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 2000354.	0.8	5

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37	Metal nanoparticle mediated space charge and its optical control in an organic hole-only device. Applied Physics Letters, 2016, 108, 153302.	1.5	4
38	Reversible training of waveguide-based AND/OR gates for optically driven artificial neural networks using photochromic molecules. Journal Physics D: Applied Physics, 2022, 55, 044002.	1.3	4
39	Utilizing Diels-Alder click-chemistry to functionalize the organic-organic interface of semiconducting polymers. Journal of Materials Chemistry C, 2020, 8, 3302-3307.	2.7	3
40	Organic Synaptic Diodes Based on Polymeric Mixed Ionic-Electronic Conductors. Advanced Electronic Materials, 2022, 8, .	2.6	3
41	Oligothiophene-Based Phosphonates for Surface Modification of Ultraflat Transparent Conductive Oxides. Advanced Materials Interfaces, 2020, 7, 1902114.	1.9	2
42	Benchmarking Electrolyte-Gated Monolayer MoS ₂ Field-Effect Transistors in Aqueous Environments. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2100147.	1.2	2
43	Stability evaluation and gate-distance effects on electrolyte-gated organic field-effect transistor based on organic semiconductors. , 2018, , .		2
44	Transparent electrodes based on molybdenum-titanium-oxide with increased water stability for use as hole-transport/hole-injection components. Journal of Materials Science, 2022, 57, 8752-8766.	1.7	2
45	Inverted organic photovoltaics with a solution-processed Mg-doped ZnO electron transport layer annealed at 150 Å°C. Sustainable Energy and Fuels, 0, , .	2.5	1
46	All solution processed blue multi-layer light emitting diodes realized by thermal layer stabilization and orthogonal solvent processing. Proceedings of SPIE, 2013, , .	0.8	0