

# Giovanni Landi

## List of Publications by Year in descending order

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57  
papers

1,371  
citations

304602

22  
h-index

345118

36  
g-index

59  
all docs

59  
docs citations

59  
times ranked

1627  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comparative Evaluation of Sustainable Binders for Environmentally Friendly Carbon-Based Supercapacitors. <i>Nanomaterials</i> , 2022, 12, 46.	1.9	20
2	Low-Power and Eco-Friendly Temperature Sensor Based on Gelatin Nanocomposite. <i>Nanomaterials</i> , 2022, 12, 2227.	1.9	10
3	Platinum-free dye-sensitized solar cells by flower-like mixed-phase Co <sub>x</sub> S <sub>y</sub> /Ni <sub>x</sub> S <sub>y</sub> /Mo <sub>x</sub> S <sub>y</sub> composites. <i>New Journal of Chemistry</i> , 2021, 45, 1967-1976.	1.4	12
4	In Situ Stability Test of a Small Amorphous Silicon Energy Harvesting Array Under Space Conditions. <i>Lecture Notes in Electrical Engineering</i> , 2021, , 131-137.	0.3	1
5	Application of a Bio-Nanocomposite Tissue as an NIR Optical Receiver and a Temperature Sensor. <i>ACS Applied Electronic Materials</i> , 2021, 3, 2790-2797.	2.0	11
6	The band bending effect of LiI/NaI treated TiO <sub>2</sub> photoanodes on the performance of dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 18183-18191.	1.3	4
7	Ni <sub>3</sub> S <sub>4</sub> /CoS <sub>2</sub> mixed-phase nanocomposite as counter electrode for Pt-free dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2020, 478, 229068.	4.0	39
8	Resistive temperature sensor based on a syndiotactic polystyrene/MWCNT composite material as sensitive NIR bolometer. , 2020, , .		0
9	Proton Radiation Hardness of Perovskite Tandem Photovoltaics. <i>Joule</i> , 2020, 4, 1054-1069.	11.7	104
10	Joule Heating Induced Stabilization of a Resistive Temperature Sensor Based on a Syndiotactic Polystyrene/MWCNT Composite. <i>Lecture Notes in Electrical Engineering</i> , 2020, , 111-117.	0.3	0
11	Monitoring Proton Beam-induced Photodiode Degradation using Low-voltage Ring Oscillators. , 2019, , .		0
12	Palladium/Copper Nanoalloy Supported on Carbon Nanotubes for the Electrooxidation of Methanol and Ethylene Glycol. <i>ChemistrySelect</i> , 2019, 4, 6130-6139.	0.7	12
13	Noise spectroscopy as a tool for the characterization of perovskite, organic and silicon solar cells. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	4
14	Efficient minority carrier detrapping mediating the radiation hardness of triple-cation perovskite solar cells under proton irradiation. <i>Energy and Environmental Science</i> , 2019, 12, 1634-1647.	15.6	89
15	MoS <sub>2</sub> coated CoS <sub>2</sub> nanocomposites as counter electrodes in Pt-free dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 25474-25483.	1.3	39
16	MoS <sub>2</sub> nanosheets based counter electrodes: An alternative for Pt-free dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2019, 294, 134-141.	2.6	54
17	Influence of a degraded triple-junction solar cell on the CPV system performances. <i>Energy Conversion and Management</i> , 2018, 160, 326-340.	4.4	34
18	Evidence of Bipolar Resistive Switching Memory in Perovskite Solar Cell. <i>IEEE Journal of the Electron Devices Society</i> , 2018, 6, 454-463.	1.2	15

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19	New biodegradable nano-composites for transient electronics devices. AIP Conference Proceedings, 2018, , .	0.3	2
20	Evaluation of silicon, organic, and perovskite solar cell reliability with low-frequency noise spectroscopy. , 2018, , .		3
21	Development and characterization of PP eco-composites filled with inertized residues from municipal solid waste incinerator. AIP Conference Proceedings, 2018, , .	0.3	0
22	Temperature Sensing Properties of High Density Polyethylene Loaded with Oxidized Multi Walled Carbon Nanotubes. Lecture Notes in Electrical Engineering, 2018, , 37-44.	0.3	0
23	Defect Dynamics in Proton Irradiated CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Solar Cells. Advanced Electronic Materials, 2017, 3, 1600438.	2.6	96
24	Dielectric Properties of Sustainable Nanocomposites Based on Zein Protein and Lignin for Biodegradable Insulators. Advanced Functional Materials, 2017, 27, 1605142.	7.8	41
25	Bio-nanocomposites: Dielectric Properties of Sustainable Nanocomposites Based on Zein Protein and Lignin for Biodegradable Insulators (Adv. Funct. Mater. 8/2017). Advanced Functional Materials, 2017, 27, .	7.8	0
26	Experimental characterization of a concentrating photovoltaic system varying the light concentration. Energy Conversion and Management, 2017, 138, 119-130.	4.4	29
27	The effect of the nanotube oxidation on the rheological and electrical properties of CNT/HDPE nanocomposites. Polymer Engineering and Science, 2017, 57, 665-673.	1.5	28
28	Light irradiation tuning of surface wettability, optical, and electric properties of graphene oxide thin films. Nanotechnology, 2017, 28, 054003.	1.3	20
29	Differences between graphene and graphene oxide in gelatin based systems for transient biodegradable energy storage applications. Nanotechnology, 2017, 28, 054005.	1.3	31
30	Correlation between Electronic Defect States Distribution and Device Performance of Perovskite Solar Cells. Advanced Science, 2017, 4, 1700183.	5.6	117
31	Preparation and characterization of conductive foams based on PBS, carbon nanofibers and expanded graphite nanocomposites. AIP Conference Proceedings, 2017, , .	0.3	1
32	Probing Temperature-Dependent Recombination Kinetics in Polymer:Fullerene Solar Cells by Electric Noise Spectroscopy. Energies, 2017, 10, 1490.	1.6	7
33	Sensitive photoreceiver based on carbon nanotube/tobacco cell composite material. Proceedings of SPIE, 2017, , .	0.8	1
34	Flexible Poly(Amide-imide)-Carbon Black Based Microheater with High Temperature Capability and an Extremely Low Temperature Coefficient. Advanced Electronic Materials, 2016, 2, 1600126.	2.6	28
35	A noise model for the evaluation of defect states in solar cells. Scientific Reports, 2016, 6, 29685.	1.6	36
36	Radiation Hardness and Self-Healing of Perovskite Solar Cells. Advanced Materials, 2016, 28, 8726-8731.	11.1	195

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37	Unravelling the low-temperature metastable state in perovskite solar cells by noise spectroscopy. Scientific Reports, 2016, 6, 34675.	1.6	32
38	Temperature-dependent dielectric properties of a thermoplastic gelatin. AIP Conference Proceedings, 2016, , .	0.3	4
39	Holeâ€mobility limits for the Zn(OC) <sub>2</sub> organic semiconductor obtained by SCLC and fieldâ€effect measurements. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 1909-1914.	0.8	4
40	Low-frequency electric noise spectroscopy in different polymer/carbon nanotubes composites. Diamond and Related Materials, 2016, 65, 32-36.	1.8	6
41	Preliminary investigation of polystyrene/MoS <sub>2</sub> -Oleylamine polymer composite for potential application as low-dielectric material in microelectronics. AIP Conference Proceedings, 2015, , .	0.3	5
42	Universal crossover of the charge carrier fluctuation mechanism in different polymer/carbon nanotubes composites. Applied Physics Letters, 2015, 107, 143106.	1.5	25
43	Electrical Characterization and Modeling of a Gelatin/Graphene System. Advances in Condensed Matter Physics, 2015, 2015, 1-5.	0.4	4
44	Cycle stability and dielectric properties of a new biodegradable energy storage material. Nano Energy, 2015, 17, 348-355.	8.2	28
45	Photovoltaic Behavior of V<sub>2</sub>O<sub>5</sub>/4H-SiC Schottky Diodes for Cryogenic Applications. IEEE Journal of the Electron Devices Society, 2015, 3, 418-422.	1.2	11
46	Influence of the Contact Metallization on the Characteristics of Resistive Temperature Sensors Based on EPOXY/MWCNT Composites. Lecture Notes in Electrical Engineering, 2015, , 333-337.	0.3	2
47	Investigation of the solvent influence on polymerâ€fullerene solar cells by low frequency noise spectroscopy. Canadian Journal of Physics, 2014, 92, 879-882.	0.4	3
48	Electrical Hole Transport Properties of an Ambipolar Organic Compound With Zn-Atoms on a Crystalline Silicon Heterostructure. IEEE Journal of the Electron Devices Society, 2014, 2, 179-181.	1.2	14
49	Gelatin/graphene systems for low cost energy storage. AIP Conference Proceedings, 2014, , .	0.3	8
50	Thermal ageing of bulk heterojunction polymer solar cells investigated by electric noise analysis. Solar Energy Materials and Solar Cells, 2014, 122, 40-45.	3.0	28
51	Zn-complex based on oxadiazole/carbazole structure: Synthesis, optical and electric properties. Thin Solid Films, 2014, 556, 419-424.	0.8	30
52	Temperature dependent optoelectronic properties of a non-intentionally created cleaved-coupled-cavity laser. Microelectronics Reliability, 2014, 54, 2142-2146.	0.9	1
53	Investigation of the optical characteristics of a combination of InP/ZnS-quantum dots with MWCNTs in a PMMA matrix. Optical Materials, 2013, 35, 2490-2495.	1.7	16
54	Characterization of polymer:fullerene solar cells by low-frequency noise spectroscopy. Applied Physics Letters, 2013, 102, .	1.5	30

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55	Bio-Nano-Composite Materials Constructed With Single Cells and Carbon Nanotubes: Mechanical, Electrical, and Optical Properties. IEEE Nanotechnology Magazine, 2013, 12, 1026-1030.	1.1	23
56	Monitoring of the formation of a photosensitive device by electric breakdown of an impurity containing oxide in a MOS capacitor. Proceedings of SPIE, 2012, , .	0.8	1
57	Phases in copper-gallium-metal-sulfide films (metal=titanium, iron, or tin). Thin Solid Films, 2011, 519, 7284-7287.	0.8	10