Francesco Greco

List of Publications by Year in descending order

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64 papers	2,651 citations	279487 23 h-index	182168 51 g-index
69 all docs	69 docs citations	69 times ranked	3876 citing authors

#	Article	IF	Citations
1	Hepatitis C virus infection in patients with nonâ€Hodgkin's lymphoma. British Journal of Haematology, 1994, 88, 392-394.	1.2	455
2	Toward a New Generation of Electrically Controllable Hygromorphic Soft Actuators. Advanced Materials, 2015, 27, 1668-1675.	11.1	267
3	Ultra-thin conductive free-standing PEDOT/PSS nanofilms. Soft Matter, 2011, 7, 10642.	1.2	173
4	Ultraconformable Temporary Tattoo Electrodes for Electrophysiology. Advanced Science, 2018, 5, 1700771.	5.6	136
5	Three-Dimensional (3D) Laser-Induced Graphene: Structure, Properties, and Application to Chemical Sensing. ACS Applied Materials & Interfaces, 2021, 13, 30245-30260.	4.0	128
6	Electrically responsive photonic crystals: a review. Journal of Materials Chemistry C, 2015, 3, 8449-8467.	2.7	116
7	Microwrinkled Conducting Polymer Interface for Anisotropic Multicellular Alignment. ACS Applied Materials & Interfaces, 2013, 5, 573-584.	4.0	106
8	Characterization of Free-Standing PEDOT:PSS/Iron Oxide Nanoparticle Composite Thin Films and Application As Conformable Humidity Sensors. ACS Applied Materials & Interfaces, 2013, 5, 6324-6332.	4.0	106
9	3D Micropatterned Surface Inspired by Salvinia molesta via Direct Laser Lithography. ACS Applied Materials & Interfaces, 2015, 7, 25560-25567.	4.0	103
10	Tattooâ€Paper Transfer as a Versatile Platform for Allâ€Printed Organic Edible Electronics. Advanced Materials, 2018, 30, e1706091.	11.1	92
11	Tattoo Conductive Polymer Nanosheets for Skinâ€Contact Applications. Advanced Healthcare Materials, 2015, 4, 983-990.	3.9	79
12	Inkjet-printed PEDOT:PSS multi-electrode arrays for low-costin vitroelectrophysiology. Lab on A Chip, 2019, 19, 3776-3786.	3.1	71
13	Stretchable and Skin-Conformable Conductors Based on Polyurethane/Laser-Induced Graphene. ACS Applied Materials & Interfaces, 2020, 12, 19855-19865.	4.0	71
14	Conducting polymer tattoo electrodes in clinical electro- and magneto-encephalography. Npj Flexible Electronics, 2020, 4, .	5.1	69
15	Roll to roll processing of ultraconformable conducting polymer nanosheets. Journal of Materials Chemistry C, 2015, 3, 6539-6548.	2.7	68
16	Ultra-conformable Organic Field-Effect Transistors and circuits for epidermal electronic applications. Organic Electronics, 2017, 46, 60-67.	1.4	44
17	Liquid single crystal elastomer/conducting polymer bilayer composite actuator: modelling and experiments. Soft Matter, 2013, 9, 11405.	1.2	42
18	Patterned Free-Standing Conductive Nanofilms for Ultraconformable Circuits and Smart Interfaces. ACS Applied Materials & Interfaces, 2013, 5, 9461-9469.	4.0	35

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19	Ionic Strength Responsive Sulfonated Polystyrene Opals. ACS Applied Materials & Interfaces, 2017, 9, 4818-4827.	4.0	34
20	Conducting Shrinkable Nanocomposite Based on Au-Nanoparticle Implanted Plastic Sheet: Tunable Thermally Induced Surface Wrinkling. ACS Applied Materials & Interfaces, 2015, 7, 7060-7065.	4.0	33
21	Micro-wrinkled palladium surface for hydrogen sensing and switched detection of lower flammability limit. International Journal of Hydrogen Energy, 2012, 37, 17529-17539.	3.8	31
22	Thin film free-standing PEDOT:PSS/SU8 bilayer microactuators. Journal of Micromechanics and Microengineering, 2013, 23, 117004.	1.5	29
23	Temporary tattoo as unconventional substrate for conformable and transferable electronics on skin and beyond. Multifunctional Materials, 2020, 3, 032003.	2.4	25
24	Multiresponsive Soft Actuators Based on a Thermoresponsive Hydrogel and Embedded Laser-Induced Graphene. ACS Applied Polymer Materials, 2021, 3, 1809-1818.	2.0	25
25	Applicability of Vapor-Deposited Thermoresponsive Hydrogel Thin Films in Ultrafast Humidity Sensors/Actuators. ACS Applied Polymer Materials, 2020, 2, 1160-1168.	2.0	23
26	Toward the Use of Temporary Tattoo Electrodes for Impedancemetric Respiration Monitoring and Other Electrophysiological Recordings on Skin. Sensors, 2021, 21, 1197.	2.1	20
27	Tattooâ€Like Transferable Hole Selective Electrodes for Highly Efficient, Solutionâ€Processed Organic Indoor Photovoltaics. Advanced Electronic Materials, 2018, 4, 1700325.	2.6	19
28	Ultrathin, Ultraâ€Conformable, and Freeâ€Standing Tattooable Organic Lightâ€Emitting Diodes. Advanced Electronic Materials, 2021, 7, 2001145.	2.6	19
29	A soft, stretchable and conductive biointerface for cell mechanobiology. Biomedical Microdevices, 2015, 17, 46.	1.4	17
30	Topographical and Electrical Stimulation of Neuronal Cells through Microwrinkled Conducting Polymer Biointerfaces. Macromolecular Bioscience, 2017, 17, 1700128.	2.1	17
31	Approximating gecko setae via direct laser lithography. Smart Materials and Structures, 2018, 27, 075009.	1.8	16
32	Temporary Tattoo pH Sensor with pHâ€Responsive Hydrogel via Initiated Chemical Vapor Deposition. Advanced Materials Technologies, 2022, 7, 2100717.	3.0	16
33	Photorefractivity of poly-N-vinylindole-based materials as compared with that of poly-N-vinylcarbazole-based blends. Applied Optics, 2006, 45, 7928.	2.1	12
34	Reversible Heat-Induced Microwrinkling of PEDOT:PSS Nanofilm Surface Over a Monodomain Liquid Crystal Elastomer. Molecular Crystals and Liquid Crystals, 2013, 572, 40-49.	0.4	12
35	Low-voltage dielectric elastomer actuators with stretchable electrodes fabricated by supersonic cluster beam implantation. Journal of Applied Physics, 2018, 124, .	1.1	12
36	Ultraconformable Freestanding Capacitors Based on Ultrathin Polyvinyl Formal Films. Advanced Electronic Materials, 2018, 4, 1800215.	2.6	10

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37	Introduction to Active Smart Materials for Biomedical Applications. Nanomedicine and Nanotoxicology, 2012, , 1-27.	0.1	9
38	Plasma assisted deposition of freeâ€standing nanofilms for biomedical applications. Plasma Processes and Polymers, 2016, 13, 1224-1229.	1.6	9
39	Air Trapping Mechanism in Artificial Salvinia-Like Micro-Hairs Fabricated via Direct Laser Lithography. Micromachines, 2017, 8, 366.	1.4	8
40	Mechanical and electro-mechanical properties of EAP actuators with inkjet printed electrodes. Synthetic Metals, 2018, 246, 122-127.	2.1	8
41	Capacitive Coupling of Conducting Polymer Tattoo Electrodes with the Skin. Advanced Materials Interfaces, 2021, 8, 2100352.	1.9	8
42	Fabrication of layered polydimethylsiloxane/perfluoropolyether microfluidic devices with solvent compatibility and valve functionality. Microfluidics and Nanofluidics, 2013, 15, 753-762.	1.0	7
43	Unconditionally stable indole-derived glass blends having very high photorefractive gain: the role of intermolecular interactions. Applied Optics, 2008, 47, 6680.	2.1	6
44	Freestanding Functionalized Nanofilms for Biomedical Applications. Procedia Computer Science, 2011, 7, 337-339.	1.2	6
45	All-Polymer Printed Low-Cost Regenerative Nerve Cuff Electrodes. Frontiers in Bioengineering and Biotechnology, 2021, 9, 615218.	2.0	6
46	Dry Adhesion of Artificial Gecko Setae Fabricated via Direct Laser Lithography. Lecture Notes in Computer Science, 2017, , 631-636.	1.0	6
47	The Relevance of the Collaborative Effect in Determining the Performances of Photorefractive Polymer Materials. ChemPhysChem, 2010, 11, 460-465.	1.0	5
48	Sacrificial Layer and Supporting Layer Techniques for the Fabrication of Ultra-Thin Free-Standing PEDOT:PSS Nanosheets. Materials Research Society Symposia Proceedings, 2012, 1403, 55.	0.1	5
49	Temporary Tattoo Approach for a Transferable Printed Organic Photodiode. ACS Applied Electronic Materials, 2021, 3, 2652-2660.	2.0	5
50	Ultraconformable organic devices. , 2021, , 437-478.		3
51	UStEMG: an Ultrasound Transparent Tattoo-based sEMG System for Unobtrusive Parallel Acquisitions of Muscle Electro-mechanics. , 2021, 2021, 7077-7082.		3
52	Anisotropic Cellular Alignment on Nano-Wrinkled Polymeric Surface. Materials Research Society Symposia Proceedings, 2012, 1415, 54.	0.1	2
53	Micro and Nanowrinkled Conductive Polymer Surfaces on Shape-memory Polymer Substrates: Tuning of Surface Microfeatures Towards Smart Biointerfaces.. Materials Research Society Symposia Proceedings, 2012, 1411, 13.	0.1	2
54	Bending actuation of a composite liquid crystal elastomer via direct Joule heating. , 2012, , .		2

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55	Soft, Stretchable and Conductive Biointerfaces for Bio-hybrid Tactile Sensing Investigation. Lecture Notes in Computer Science, 2013, , 353-355.	1.0	2
56	Printed and Laser-Scribed Stretchable Conductors on Thin Elastomers for Soft and Wearable Electronics. Frontiers in Materials, 2021, 8, .	1.2	2
57	Synthesis and electrooptical characterization of polysiloxanes containing indolyl groups acting as photoconductive substrates for photorefractive materials. E-Polymers, 2004, 4, .	1.3	1
58	An indole-based low molecular weight glass-former giving materials with high cooperative photorefractive optical gain. , 2006, 6192, 483.		1
59	Free-Standing PEDOT:PSS/PLA Bilayer Nanosheets with Ink-Jet Patterned Microelectrodes: Towards the Development of Ultra-Thin, Conformable, Floating Circuits and Smart Biointerfaces.. Materials Research Society Symposia Proceedings, 2013, 1530, 1.	0.1	1
60	Laser-Induced Graphene and Its Applications in Soft (Bio)Sensors. Carbon Materials, 2022, , 111-133.	0.2	1
61	A very efficient and stable supramolecular organic blend having a very high value of the optical gain for photorefractivity applications. IOP Conference Series: Materials Science and Engineering, 2009, 6, 012034.	0.3	0
62	Neuronal Alignment and Outgrowth on Microwrinkled Conducting Polymer Substrates. Materials Research Society Symposia Proceedings, 2015, 1795, 13-18.	0.1	0
63	Back Cover: Plasma Process. Polym. 12âˆ•2016. Plasma Processes and Polymers, 2016, 13, 1250-1250.	1.6	0
64	Bioinspired Design and Energetic Feasibility of an Autonomous Swimming Microrobot. Lecture Notes in Computer Science, 2013, , 415-417.	1.0	0