

Pierpaolo Greco

List of Publications by Year in descending order

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29
papers

671
citations

623734
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552781
26
g-index

29
all docs

29
docs citations

29
times ranked

1164
citing authors

#	ARTICLE	IF	CITATIONS
1	Micro- and nanopatterning by lithographically controlled wetting. <i>Nature Protocols</i> , 2012, 7, 1668-1676.	12.0	86
2	Conductive Sub-micrometric Wires of Platinum-Carbonyl Clusters Fabricated by Soft-Lithography. <i>Journal of the American Chemical Society</i> , 2008, 130, 1177-1182.	13.7	68
3	Towards All-Organic Field-Effect Transistors by Additive Soft Lithography. <i>Small</i> , 2009, 5, 1117-1122.	10.0	59
4	Parallel-local anodic oxidation of silicon surfaces by soft stamps. <i>Nanotechnology</i> , 2008, 19, 435303.	2.6	55
5	Multiscale Morphology of Organic Semiconductor Thin Films Controls the Adhesion and Viability of Human Neural Cells. <i>Biophysical Journal</i> , 2010, 98, 2804-2812.	0.5	50
6	Label-free immunodetection of β -synuclein by using a microfluidics coplanar electrolyte-gated organic field-effect transistor. <i>Biosensors and Bioelectronics</i> , 2020, 167, 112433.	10.1	42
7	Neural cell alignment by patterning gradients of the extracellular matrix protein laminin. <i>Interface Focus</i> , 2014, 4, 20130041.	3.0	33
8	Harnessing Selectivity and Sensitivity in Electronic Biosensing: A Novel Lab-on-Chip Multigate Organic Transistor. <i>Analytical Chemistry</i> , 2020, 92, 9330-9337.	6.5	33
9	3D Hierarchical Porous TiO ₂ Films from Colloidal Composite Fluidic Deposition. <i>Chemistry of Materials</i> , 2008, 20, 7130-7135.	6.7	28
10	Patterned conductive nanostructures from reversible self-assembly of 1D coordination polymer. <i>Chemical Science</i> , 2012, 3, 2047.	7.4	28
11	Control of neuronal cell adhesion on single-walled carbon nanotube 3D patterns. <i>Journal of Materials Chemistry</i> , 2010, 20, 2213.	6.7	26
12	Label free detection of miRNA-21 with electrolyte gated organic field effect transistors (EGOFETs). <i>Biosensors and Bioelectronics</i> , 2021, 182, 113144.	10.1	25
13	Stable Non-Covalent Large Area Patterning of Inert Teflon-AF Surface: A New Approach to Multiscale Cell Guidance. <i>Advanced Engineering Materials</i> , 2010, 12, B185.	3.5	19
14	Facile maskless fabrication of organic field effect transistors on biodegradable substrates. <i>Applied Physics Letters</i> , 2013, 103, 073302.	3.3	16
15	Laser Assisted Bioprinting of laminin on biodegradable PLGA substrates: Effect on neural stem cell adhesion and differentiation. <i>Bioprinting</i> , 2022, 26, e00194.	5.8	14
16	Monitoring DNA Hybridization with Organic Electrochemical Transistors Functionalized with Polydopamine. <i>Macromolecular Materials and Engineering</i> , 2022, 307, .	3.6	12
17	Asymmetric Injection in Organic Transistors via Direct SAM Functionalization of Source and Drain Electrodes. <i>ACS Omega</i> , 2017, 2, 3502-3508.	3.5	11
18	Physical insights from the Frumkin isotherm applied to electrolyte gated organic transistors as protein biosensors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 10965-10974.	5.5	11

#	ARTICLE	IF	CITATIONS
19	Fluid Mixing for Low-Power “Digital Microfluidics” Using Electroactive Molecular Monolayers. <i>Small</i> , 2018, 14, 1703344.	10.0	10
20	Patterning pentacene surfaces by local oxidation nanolithography. <i>Ultramicroscopy</i> , 2010, 110, 729-732.	1.9	8
21	EGOFET Gated by a Molecular Electronic Switch: A Single-Device Memory Cell. <i>Advanced Electronic Materials</i> , 2019, 5, 1800875.	5.1	7
22	Human Neuronal SHSY5Y Cells on PVDF:PTFE Copolymer Thin Films. <i>Advanced Engineering Materials</i> , 2015, 17, 1051-1056.	3.5	6
23	Flexible Neural Interfaces Based on 3D PEDOT:PSS Micropillar Arrays. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	6
24	One-step substrate nanofabrication and patterning of nanoparticles by lithographically controlled etching. <i>Nanotechnology</i> , 2011, 22, 355301.	2.6	5
25	Unconventional Multi-Scale Patterning of Titanium Dioxide: A New Tool for the Investigation of Cell-Topography Interactions. <i>Advanced Engineering Materials</i> , 2012, 14, B208.	3.5	4
26	Fabrication of ordered carbon nanotube structures by unconventional lithography. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 877-883.	1.5	3
27	Preparation of tools for lithographically controlled wetting and soft lithography. <i>Protocol Exchange</i> , 0, , .	0.3	3
28	Compact Miniaturized Bioluminescence Sensor Based on Continuous Air-Segmented Flow for Real-Time Monitoring: Application to Bile Salt Hydrolase (BSH) Activity and ATP Detection in Biological Fluids. <i>Chemosensors</i> , 2021, 9, 122.	3.6	2
29	Amorphous Aggregation of Amyloid Beta 1-40 Peptide in Confined Space. <i>ChemPhysChem</i> , 2015, 16, 3379-3384.	2.1	1