Pierpaolo Greco

List of Publications by Citations

28 papers	534 citations	13 h-index	23 g-index
29 ext. papers	591 ext. citations	6.4 avg, IF	3.22 L-index

#	Paper	IF	Citations
28	Micro- and nanopatterning by lithographically controlled wetting. *Nature Protocols*, **2012**, 7, 1668-76	18.8	73
27	Conductive sub-micrometric wires of platinum-carbonyl clusters fabricated by soft-lithography. *Journal of the American Chemical Society*, **2008**, 130, 1177-82	16.4	66
26	Towards all-organic field-effect transistors by additive soft lithography. *Small*, **2009**, 5, 1117-22	11	58
25	Parallel-local anodic oxidation of silicon surfaces by soft stamps. *Nanotechnology*, **2008**, 19, 435303	3.4	49
24	Multiscale morphology of organic semiconductor thin films controls the adhesion and viability of human neural cells. *Biophysical Journal*, **2010**, 98, 2804-12	2.9	45
23	3D Hierarchical Porous TiO2 Films from Colloidal Composite Fluidic Deposition. *Chemistry of Materials*, **2008**, 20, 7130-7135	9.6	28
22	Patterned conductive nanostructures from reversible self-assembly of 1D coordination polymer. *Chemical Science*, **2012**, 3, 2047	9.4	27
21	Neural cell alignment by patterning gradients of the extracellular matrix protein laminin. *Interface Focus*, **2014**, 4, 20130041	3.9	26
20	Label-free immunodetection of □synuclein by using a microfluidics coplanar electrolyte-gated organic field-effect transistor. *Biosensors and Bioelectronics*, **2020**, 167, 112433	11.8	23
19	Control of neuronal cell adhesion on single-walled carbon nanotube 3D patterns. *Journal of Materials Chemistry*, **2010**, 20, 2213		22
18	Harnessing Selectivity and Sensitivity in Electronic Biosensing: A Novel Lab-on-Chip Multigate Organic Transistor. *Analytical Chemistry*, **2020**, 92, 9330-9337	7.8	17
17	Stable Non-Covalent Large Area Patterning of Inert Teflon-AF Surface: A New Approach to Multiscale Cell Guidance. *Advanced Engineering Materials*, **2010**, 12, B185-B191	3.5	16
16	Facile maskless fabrication of organic field effect transistors on biodegradable substrates. *Applied Physics Letters*, **2013**, 103, 073302	3.4	15
15	Label free detection of miRNA-21 with electrolyte gated organic field effect transistors (EGOFETs). *Biosensors and Bioelectronics*, **2021**, 182, 113144	11.8	12
14	Asymmetric Injection in Organic Transistors via Direct SAM Functionalization of Source and Drain Electrodes. *ACS Omega*, **2017**, 2, 3502-3508	3.9	10
13	Fluid Mixing for Low-Power □Digital Microfluidics□Using Electroactive Molecular Monolayers. *Small*, **2018**, 14, 1703344	11	8
12	Patterning pentacene surfaces by local oxidation nanolithography. *Ultramicroscopy*, **2010**, 110, 729-32	3.1	7

List of Publications

11	EGOFET Gated by a Molecular Electronic Switch: A Single-Device Memory Cell. *Advanced Electronic Materials*, **2019**, 5, 1800875	6.4	5
10	Human Neuronal SHSY5Y Cells on PVDF:PTrFE Copolymer Thin Films. *Advanced Engineering Materials*, **2015**, 17, 1051-1056	3.5	5
9	Unconventional Multi-Scale Patterning of Titanium Dioxide: A New Tool for the Investigation of Cell Topography Interactions. *Advanced Engineering Materials*, **2012**, 14, B208-B215	3.5	4
8	One-step substrate nanofabrication and patterning of nanoparticles by lithographically controlled etching. *Nanotechnology*, **2011**, 22, 355301	3.4	4
7	Preparation of tools for lithographically controlled wetting and soft lithography. *Protocol Exchange* , **2012**,		3
6	Fabrication of ordered carbon nanotube structures by unconventional lithography. *Physica Status Solidi (B): Basic Research*, **2010**, 247, 877-883	1.3	3
5	Physical insights from the Frumkin isotherm applied to electrolyte gated organic transistors as protein biosensors. *Journal of Materials Chemistry C*, **2021**, 9, 10965-10974	7.1	3
4	Laser Assisted Bioprinting of laminin on biodegradable PLGA substrates: Effect on neural stem cell adhesion and differentiation. *Bioprinting*, **2022**, e00194	7	2
3	Amorphous Aggregation of Amyloid Beta 1-40 Peptide in Confined Space. *ChemPhysChem*, **2015**, 16, 3379-84	3.2	1
2	Monitoring DNA Hybridization with Organic Electrochemical Transistors Functionalized with Polydopamine. *Macromolecular Materials and Engineering*,2100880	3.9	1
1	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. *Chemosensors*, **2021**, 9, 122	4	