

# Fulvia Villani

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

699  
citations

566801

15  
h-index

552369

26  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1088  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tungsten disulfide nanotubes enhance flow-induced crystallization and radio-opacity of polylactide without adversely affecting in vitro toxicity. <i>Acta Biomaterialia</i> , 2022, 138, 313-326.	4.1	8
2	Fabrication and biocompatibility analysis of flexible organic light emitting diodes on poly(lactic acid) substrates: toward the development of greener bioelectronic devices. <i>Polymers for Advanced Technologies</i> , 2022, 33, 1523-1532.	1.6	7
3	Size and Semiconducting Effects on the Piezoelectric Performances of ZnO Nanowires Grown onto Gravure-Printed Seed Layers on Flexible Substrates. <i>Nanoenergy Advances</i> , 2022, 2, 197-209.	3.6	8
4	Bubble-Patterned Films by Inkjet Printing and Gas Foaming. <i>Coatings</i> , 2022, 12, 806.	1.2	0
5	Effect of tungsten disulfide nanotubes on crystallization of polylactide under uniaxial deformation and annealing. <i>Functional Composite Materials</i> , 2021, 2, .	0.9	6
6	Low-Temperature Growth of ZnO Nanowires from Gravure-Printed ZnO Nanoparticle Seed Layers for Flexible Piezoelectric Devices. <i>Nanomaterials</i> , 2021, 11, 1430.	1.9	18
7	Interaction of Poly L-Lactide and Tungsten Disulfide Nanotubes Studied by In Situ X-ray Scattering during Expansion of PLLA/WS2NT Nanocomposite Tubes. <i>Polymers</i> , 2021, 13, 1764.	2.0	6
8	Photo-Responsivity Improvement of Photo-Mobile Polymers Actuators Based on a Novel LCs/Azobenzene Copolymer and ZnO Nanoparticles Network. <i>Nanomaterials</i> , 2021, 11, 3320.	1.9	3
9	Antibacterial Al-doped ZnO coatings on PLA films. <i>Journal of Materials Science</i> , 2020, 55, 4830-4847.	1.7	34
10	Effect of tungsten disulfide (WS2) nanotubes on structural, morphological and mechanical properties of poly(L-lactide) (PLLA) films. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	4
11	Plasma functionalization procedure for antibody immobilization for SU-8 based sensor. <i>Biosensors and Bioelectronics</i> , 2016, 86, 827-833.	5.3	27
12	All-inkjet-printed thin-film transistors: manufacturing process reliability by root cause analysis. <i>Scientific Reports</i> , 2016, 6, 33490.	1.6	78
13	Up-scaling of the manufacturing of all-inkjet-printed organic thin-film transistors: Device performance and manufacturing yield of transistor arrays. <i>Organic Electronics</i> , 2016, 30, 237-246.	1.4	74
14	Analysis of the persistent photoresponse of C8BTBT transistors in the near-bandgap spectral region. <i>Organic Electronics</i> , 2016, 30, 83-91.	1.4	4
15	Influence of ligand exchange on the electrical transport properties of PbS nanocrystals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 2677-2685.	0.8	5
16	PbS nanocrystals in hybrid systems for solar cell applications. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 245-251.	0.8	13
17	Inkjet printed graphene-based chemi-resistors for gas detection in environmental conditions. , 2015, , .		9
18	Exciton Dynamics in Hybrid Polymer/QD Blends. <i>Energy Procedia</i> , 2014, 44, 167-175.	1.8	5

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19	Photoresponse of pentacene-based transistors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 460-466.	0.8	9
20	Study of the microstructure of inkjet-printed P3HT:PCBM blend for photovoltaic applications. <i>Journal of Materials Science</i> , 2013, 48, 2920-2927.	1.7	20
21	Modelling of Organic Field Effect Transistors with Inkjet Printed Poly(3,4-ethylenedioxythiophene):Poly(styrene sulfonate) Electrodes: Study of the Annealing Effects. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 5175-5181.	0.9	2
22	Polymer solar cells with inkjet-printed doped PEDOT: PSS anode. <i>Polymer Composites</i> , 2013, 34, 1493-1499.	2.3	18
23	Inkjet printed perylene diimide based OTFTs: Effect of the solvent mixture and the printing parameters on film morphology. <i>Synthetic Metals</i> , 2012, 161, 2618-2622.	2.1	23
24	Study of the effect of the doped poly(3,4-ethylenedioxythiophene):poly(styrene sulfonate) polymeric anode on the organic light-emitting diode performances. <i>Thin Solid Films</i> , 2012, 520, 5386-5391.	0.8	26
25	Analysis of the performances of organic light-emitting devices with a doped or an undoped polyaniline-poly(4-styrenesulfonate) hole-injection layer. <i>Journal of Applied Polymer Science</i> , 2011, 122, 3618-3623.	1.3	16
26	Study of the interference effects in an optical cavity for organic light-emitting diode applications. <i>Optics Letters</i> , 2010, 35, 3333.	1.7	12
27	Inkjet Printed Polymer Layer on Flexible Substrate for OLED Applications. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13398-13402.	1.5	110
28	Thin Silicon Films on Polymeric Substrate. <i>Macromolecular Symposia</i> , 2005, 228, 167-176.	0.4	3
29	Excimer laser induced crystallization of amorphous silicon on flexible polymer substrates. <i>Thin Solid Films</i> , 2005, 487, 58-62.	0.8	10
30	Synthesis and luminescent properties of a new class of nematic oxadiazole containing poly-ethers for PLED. <i>Journal of Non-Crystalline Solids</i> , 2004, 338-340, 278-282.	1.5	17
31	Synthesis and Characterization of a New Class of Nematic Photoluminescent Oxadiazole-Containing Polyethers. <i>Macromolecules</i> , 2003, 36, 6410-6415.	2.2	31
32	Multiple processor version of a Monte Carlo code for photon transport in turbid media. <i>Computer Physics Communications</i> , 2000, 132, 84-93.	3.0	27
33	'Viewing' objects hidden in highly scattering media by cross-correlating the Fourier transform of the image with the incident field in a second-order non-linear crystal. <i>Optics Communications</i> , 2000, 174, 487-497.	1.0	3
34	Hypericin photosensitization of tumor and metastatic cell lines of human prostate. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2000, 54, 103-107.	1.7	42
35	PHASE-SELECTION OF IMAGE-BEARING FIELD COMPONENTS BY FREQUENCY UP-CONVERSION IN NONLINEAR CRYSTALS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 1999, 08, 55-70.	1.1	10
36	<title>Transmission measurements on tissue-like phantoms: a simple system for optical parameter determination</title>. , 1998, 3194, 471.		0

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37	<title>Optical parameter measurements by collimated light transmission</title>. , 1998, 3255, 118.		0
38	In vitro photo-activation of newly synthesized chlorin derivatives with red-light-emitting diodes. Journal of Photochemistry and Photobiology B: Biology, 1997, 38, 54-60.	1.7	11