

Maria Moffa

List of Publications by Year in descending order

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39
papers

824
citations

430442

18
h-index

500791

28
g-index

39
all docs

39
docs citations

39
times ranked

1368
citing authors

#	ARTICLE	IF	CITATIONS
1	Local Mechanical Properties of Electrospun Fibers Correlate to Their Internal Nanostructure. <i>Nano Letters</i> , 2013, 13, 5056-5062.	4.5	94
2	Combined Nano- and Micro-scale Topographic Cues for Engineered Vascular Constructs by Electrospinning and Imprinted Micro-patterns. <i>Small</i> , 2014, 10, 2439-2450.	5.2	65
3	Bright Light Emission and Waveguiding in Conjugated Polymer Nanofibers Electrospun from Organic Salt Added Solutions. <i>Macromolecules</i> , 2013, 46, 5935-5942.	2.2	63
4	Distributed Feedback Imprinted Electrospun Fiber Lasers. <i>Advanced Materials</i> , 2014, 26, 6542-6547.	11.1	44
5	Organic Nanofibers Embedding Stimuli-Responsive Threaded Molecular Components. <i>Journal of the American Chemical Society</i> , 2014, 136, 14245-14254.	6.6	42
6	Microvascular endothelial cell spreading and proliferation on nanofibrous scaffolds by polymer blends with enhanced wettability. <i>Soft Matter</i> , 2013, 9, 5529.	1.2	35
7	Modal Coupling of Single Photon Emitters Within Nanofiber Waveguides. <i>ACS Nano</i> , 2016, 10, 6125-6130.	7.3	33
8	Conformational Evolution of Elongated Polymer Solutions Tailors the Polarization of Light-Emission from Organic Nanofibers. <i>Macromolecules</i> , 2014, 47, 4704-4710.	2.2	31
9	Controlled Atmosphere Electrospinning of Organic Nanofibers with Improved Light Emission and Waveguiding Properties. <i>Macromolecules</i> , 2015, 48, 7803-7809.	2.2	30
10	Threading through Macrocycles Enhances the Performance of Carbon Nanotubes as Polymer Fillers. <i>ACS Nano</i> , 2016, 10, 8012-8018.	7.3	30
11	Sub-ms dynamics of the instability onset of electrospinning. <i>Soft Matter</i> , 2015, 11, 3424-3431.	1.2	29
12	Surface-enhanced Raman spectroscopy in 3D electrospun nanofiber mats coated with gold nanorods. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 1357-1364.	1.9	27
13	Optical Gain in the Near Infrared by Light-Emitting Electrospun Fibers. <i>Advanced Functional Materials</i> , 2014, 24, 5225-5231.	7.8	26
14	Core-Shell Electrospun Fibers Encapsulating Chromophores or Luminescent Proteins for Microscopically Controlled Molecular Release. <i>Molecular Pharmaceutics</i> , 2016, 13, 729-736.	2.3	25
15	Diverse Regimes of Mode Intensity Correlation in Nanofiber Random Lasers through Nanoparticle Doping. <i>ACS Photonics</i> , 2018, 5, 1026-1033.	3.2	24
16	Ratiometric Organic Fibers for Localized and Reversible Ion Sensing with Micrometer-scale Spatial Resolution. <i>Small</i> , 2015, 11, 6417-6424.	5.2	22
17	Highly sticky surfaces made by electrospun polymer nanofibers. <i>RSC Advances</i> , 2017, 7, 5836-5842.	1.7	22
18	Nanoparticle-doped electrospun fiber random lasers with spatially extended light modes. <i>Optics Express</i> , 2017, 25, 24604.	1.7	18

#	ARTICLE	IF	CITATIONS
19	Electrospun Amplified Fiber Optics. ACS Applied Materials & Interfaces, 2015, 7, 5213-5218.	4.0	17
20	Multifunctional Polymer Nanofibers: UV Emission, Optical Gain, Anisotropic Wetting, and High Hydrophobicity for Next Flexible Excitation Sources. ACS Applied Materials & Interfaces, 2015, 7, 21907-21912.	4.0	16
21	Anisotropic Conjugated Polymer Chain Conformation Tailors the Energy Migration in Nanofibers. Journal of the American Chemical Society, 2016, 138, 15497-15505.	6.6	16
22	Electrospun Conjugated Polymer/Fullerene Hybrid Fibers: Photoactive Blends, Conductivity through Tunneling-AFM, Light Scattering, and Perspective for Their Use in Bulk-Heterojunction Organic Solar Cells. Journal of Physical Chemistry C, 2018, 122, 3058-3067.	1.5	15
23	Micropatterning control of tubular commitment in human adult renal stem cells. Biomaterials, 2016, 94, 57-69.	5.7	13
24	Nanowire-Enhanced Metal-Enhanced Fluorescence in Hybrid Polymer-Plasmonic Electrospun Filaments. Small, 2018, 14, e1800187.	5.2	13
25	Enhanced Electrospinning of Active Organic Fibers by Plasma Treatment on Conjugated Polymer Solutions. ACS Applied Materials & Interfaces, 2020, 12, 26320-26329.	4.0	13
26	Electrospun Fluorescent Nanofibers and Their Application in Optical Sensing. Nanoscience and Technology, 2015, , 129-155.	1.5	11
27	Neuregulin 1 functionalization of organic fibers for Schwann cell guidance. Nanotechnology, 2017, 28, 155303.	1.3	11
28	Dye Stabilization and Wavelength Tunability in Lasing Fibers Based on DNA. Advanced Optical Materials, 2020, 8, 2001039.	3.6	11
29	Bioactive Nanofiber Matrices Functionalized with Fibronectin-Mimetic Peptides Driving the Alignment and Tubular Commitment of Adult Renal Stem Cells. Macromolecular Chemistry and Physics, 2016, 217, 199-212.	1.1	7
30	Biomaterial Amorphous Lasers through Light-Scattering Surfaces Assembled by Electrospun Fiber Templates. Laser and Photonics Reviews, 2018, 12, 1700224.	4.4	6
31	Optimization of electrospinning techniques for the realization of nanofiber plastic lasers. Proceedings of SPIE, 2016, , .	0.8	5
32	Secondary Metabolite Production from Industrially Relevant Bacteria is Enhanced by Organic Nanofibers. Biotechnology Journal, 2017, 12, 1700313.	1.8	4
33	Lasers: Distributed Feedback Imprinted Electrospun Fiber Lasers (Adv. Mater. 38/2014). Advanced Materials, 2014, 26, 6660-6660.	11.1	2
34	Control of photon transport properties in nanocomposite nanowires. Proceedings of SPIE, 2016, , .	0.8	2
35	Tuneable optical gain and broadband lasing driven in electrospun polymer fibers by high dye concentration. Journal of Materials Chemistry C, 2022, 10, 2042-2048.	2.7	2
36	Electrospun conjugated polymer nanofibers as miniaturized light sources: control of morphology, optical properties, and assembly. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
37	Nanofibers: Ratiometric Organic Fibers for Localized and Reversible Ion Sensing with Micrometer-Scale Spatial Resolution (Small 48/2015). Small, 2015, 11, 6416-6416.	5.2	0
38	Light coupling in polymer nanofibers: from single-photon emission to random lasing. , 2017, , .		0
39	Random optical media based on hybrid organic-inorganic nanowires: multiple scattering, field localization, and light diffusion. , 2017, , .		0