Giulia Guidetti

List of Publications by Year in Descending Order

24 papers	951 citations	12 h-index	24 g-index
24 ext. papers	1,187 ext. citations	14.3 avg, IF	4.66 L-index

#	Paper	IF	Citations
24	Silk materials at the convergence of science, sustainability, healthcare, and technology. *Applied Physics Reviews*, **2022**, 9, 011302	17.3	7
23	Generation of Complex Tunable Multispectral Signatures with Reconfigurable Protein-Based, Plasmonic-Photonic Crystal Hybrid Nanostructures.. *Small*, **2022**, e2201036	11	1
22	Co-Assembly of Cellulose Nanocrystals and Silk Fibroin into Photonic Cholesteric Films. *Advanced Sustainable Systems*, **2021**, 5, 2000272	5.9	7
21	Silk Fibroin Regeneration in Solution of Lanthanide Ions: A Systematic Investigation. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 653033	5.8	3
20	Unmixing octopus camouflage by multispectral mapping of Octopus bimaculoides chromatic elements. *Nanophotonics*, **2021**, 10, 2441-2450	6.3	0
19	Effect of thermal treatments on chiral nematic cellulose nanocrystal films. *Carbohydrate Polymers*, **2021**, 272, 118404	10.3	1
18	Large-Scale Patterning of Reactive Surfaces for Wearable and Environmentally Deployable Sensors. *Advanced Materials*, **2020**, 32, e2001258	24	21
17	Plant-Inspired Polyaleuritate Nanocellulose Composite Photonic Films. *ACS Applied Polymer Materials*, **2020**, 2, 1528-1534	4.3	6
16	Photonic paper: Multiscale assembly of reflective cellulose sheets in. *Science Advances*, **2020**, 6,	14.3	8
15	Retrieving the Coassembly Pathway of Composite Cellulose Nanocrystal Photonic Films from their Angular Optical Response. *Advanced Materials*, **2020**, 32, e1906889	24	20
14	Active optics with silk. *Nanophotonics*, **2020**, 10, 137-148	6.3	7
13	Wearable Sensors: Large-Scale Patterning of Reactive Surfaces for Wearable and Environmentally Deployable Sensors (Adv. Mater. 28/2020). *Advanced Materials*, **2020**, 32, 2070213	24	0
12	Hyperspectral Imaging of Photonic Cellulose Nanocrystal Films: Structure of Local Defects and Implications for Self-Assembly Pathways. *ACS Nano*, **2020**, 14, 15361-15373	16.7	13
11	Optomechanically Actuated Microcilia for Locally Reconfigurable Surfaces. *Advanced Materials*, **2020**, 32, e2004147	24	9
10	N-dimensional optics with natural materials. *MRS Communications*, **2020**, 10, 201-214	2.7	1
9	The angular optical response of cellulose nanocrystal films explained by the distortion of the arrested suspension upon drying. *Physical Review Materials*, **2019**, 3,	3.2	27
8	Hierarchical Photonic Pigments via the Confined Self-Assembly of Bottlebrush Block Copolymers. *ACS Nano*, **2019**, 13, 1764-1771	16.7	71

7	Block Copolymer Micelles for Photonic Fluids and Crystals. *ACS Nano*, **2018**, 12, 3149-3158	16.7	28
6	The Self-Assembly of Cellulose Nanocrystals: Hierarchical Design of Visual Appearance. *Advanced Materials*, **2018**, 30, e1704477	24	240
5	Unexpected stability of aqueous dispersions of raspberry-like colloids. *Nature Communications*, **2018**, 9, 3614	17.4	35
4	Controlling the Photonic Properties of Cholesteric Cellulose Nanocrystal Films with Magnets. *Advanced Materials*, **2017**, 29, 1701469	24	117
3	Hierarchical Self-Assembly of Cellulose Nanocrystals in a Confined Geometry. *ACS Nano*, **2016**, 10, 8443-9	16.7	122
2	Flexible Photonic Cellulose Nanocrystal Films. *Advanced Materials*, **2016**, 28, 10042-10047	24	153
1	Shape Memory Cellulose-Based Photonic Reflectors. *ACS Applied Materials & Interfaces*, **2016**, 8, 31935-31940	9.5	54