Carlo Mennucci

List of Publications by Year
in descending order

21	462	758635 12	752256 20
papers	citations	h-index	g-index

21	21	21	743
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Geometrical Engineering of Giant Optical Dichroism in Rippled MoS₂ Nanosheets. Advanced Optical Materials, 2021, 9, 2001408.	3.6	6
2	Large-area flexible nanostripe electrodes featuring plasmon hybridization engineering. Nano Research, 2021, 14, 858-867.	5.8	3
3	Broadband and Tunable Light Harvesting in Nanorippled MoS₂ Ultrathin Films. ACS Applied Materials & Interfaces, 2021, 13, 13508-13516.	4.0	21
4	Evidence of Plasmon Enhanced Charge Transfer in Largeâ€Area Hybrid Auâ€“MoS₂ Metasurface. Advanced Optical Materials, 2020, 8, 2000653.	3.6	20
5	Ultra-broadband photon harvesting in large-area few-layer MoS₂ nanostripe gratings. Nanoscale, 2020, 12, 24385-24393.	2.8	18
6	Large-Area Microfluidic Sensors Based on Flat-Optics Au Nanostripe Metasurfaces. Journal of Physical Chemistry C, 2020, 124, 17183-17190.	1.5	10
7	Tuning the transient opto-electronic properties of few-layer MoS2 nanosheets via substrate nano-patterning. EPJ Web of Conferences, 2020, 238, 07006.	0.1	0
8	Biaxial growth of pentacene on rippled silica surfaces studied by rotating grazing incidence X-ray diffraction. Journal of Crystal Growth, 2019, 519, 69-76.	0.7	3
9	Floryâ€“Huggins Photonic Sensors for the Optical Assessment of Molecular Diffusion Coefficients in Polymers. ACS Applied Materials & Interfaces, 2019, 11, 16872-16880.	4.0	36
10	SERS amplification by ultra-dense plasmonic arrays on self-organized PDMS templates. Applied Surface Science, 2018, 446, 83-91.	3.1	27
11	Broadband light trapping in nanotextured thin film photovoltaic devices. Applied Surface Science, 2018, 446, 74-82.	3.1	22
12	Trace Metals in Soot and PM_{2.5} from Heavy-Fuel-Oil Combustion in a Marine Engine. Environmental Science & Technology, 2018, 52, 6714-6722.	4.6	112
13	Designer Shape Anisotropy on Transitionâ€Metalâ€Dichalcogenide Nanosheets. Advanced Materials, 2018, 30, 1705615.	11.1	52
14	Light scattering properties of self-organized nanostructured substrates for thin-film solar cells. Nanotechnology, 2018, 29, 355301.	1.3	12
15	Ultrafast Anisotropic Exciton Dynamics in Nanopatterned MoS₂ Sheets. ACS Photonics, 2018, 5, 3363-3371.	3.2	17
16	Anisotropic MoS₂ Nanosheets Grown on Selfâ€Organized Nanopatterned Substrates. Advanced Materials, 2017, 29, 1605785.	11.1	53
17	Self-Organized Nanoscale Roughness Engineering for Broadband Light Trapping in Thin Film Solar Cells. Applied Sciences (Switzerland), 2017, 7, 355.	1.3	5
18	Influence of TiO2(110) surface roughness on growth and stability of thin organic films. Journal of Chemical Physics, 2016, 145, 144703.	1.2	6

#	Article	IF	Citations
19	Template-assisted growth of transparent plasmonic nanowire electrodes. Nanotechnology, 2016, 27, 495201.	1.3	14
20	In-plane anisotropic photoresponse in all-polymer planar microcavities. Polymer, 2016, 84, 383-390.	1.8	16
21	Tailoring broadband light trapping of GaAs and Si substrates by self-organised nanopatterning. Journal of Applied Physics, 2014, 115, .	1.1	9