

# Carlo Mennucci

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

462  
citations

758635

12  
h-index

752256

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

743  
citing authors

#	ARTICLE	IF	CITATIONS
1	Trace Metals in Soot and PM <sub>2.5</sub> from Heavy-Fuel-Oil Combustion in a Marine Engine. Environmental Science & Technology, 2018, 52, 6714-6722.	4.6	112
2	Anisotropic MoS <sub>2</sub> Nanosheets Grown on Self-Organized Nanopatterned Substrates. Advanced Materials, 2017, 29, 1605785.	11.1	53
3	Designer Shape Anisotropy on Transition-Metal Dichalcogenide Nanosheets. Advanced Materials, 2018, 30, 1705615.	11.1	52
4	Flory-Huggins Photonic Sensors for the Optical Assessment of Molecular Diffusion Coefficients in Polymers. ACS Applied Materials & Interfaces, 2019, 11, 16872-16880.	4.0	36
5	SERS amplification by ultra-dense plasmonic arrays on self-organized PDMS templates. Applied Surface Science, 2018, 446, 83-91.	3.1	27
6	Broadband light trapping in nanotextured thin film photovoltaic devices. Applied Surface Science, 2018, 446, 74-82.	3.1	22
7	Broadband and Tunable Light Harvesting in Nanorippled MoS <sub>2</sub> Ultrathin Films. ACS Applied Materials & Interfaces, 2021, 13, 13508-13516.	4.0	21
8	Evidence of Plasmon Enhanced Charge Transfer in Large-Area Hybrid Au-MoS <sub>2</sub> Metasurface. Advanced Optical Materials, 2020, 8, 2000653.	3.6	20
9	Ultra-broadband photon harvesting in large-area few-layer MoS <sub>2</sub> nanostripe gratings. Nanoscale, 2020, 12, 24385-24393.	2.8	18
10	Ultrafast Anisotropic Exciton Dynamics in Nanopatterned MoS <sub>2</sub> Sheets. ACS Photonics, 2018, 5, 3363-3371.	3.2	17
11	In-plane anisotropic photoresponse in all-polymer planar microcavities. Polymer, 2016, 84, 383-390.	1.8	16
12	Template-assisted growth of transparent plasmonic nanowire electrodes. Nanotechnology, 2016, 27, 495201.	1.3	14
13	Light scattering properties of self-organized nanostructured substrates for thin-film solar cells. Nanotechnology, 2018, 29, 355301.	1.3	12
14	Large-Area Microfluidic Sensors Based on Flat-Optics Au Nanostripe Metasurfaces. Journal of Physical Chemistry C, 2020, 124, 17183-17190.	1.5	10
15	Tailoring broadband light trapping of GaAs and Si substrates by self-organised nanopatterning. Journal of Applied Physics, 2014, 115, .	1.1	9
16	Influence of TiO <sub>2</sub> (110) surface roughness on growth and stability of thin organic films. Journal of Chemical Physics, 2016, 145, 144703.	1.2	6
17	Geometrical Engineering of Giant Optical Dichroism in Rippled MoS <sub>2</sub> Nanosheets. Advanced Optical Materials, 2021, 9, 2001408.	3.6	6
18	Self-Organized Nanoscale Roughness Engineering for Broadband Light Trapping in Thin Film Solar Cells. Applied Sciences (Switzerland), 2017, 7, 355.	1.3	5

#	ARTICLE	IF	CITATIONS
19	Biaxial growth of pentacene on rippled silica surfaces studied by rotating grazing incidence X-ray diffraction. <i>Journal of Crystal Growth</i> , 2019, 519, 69-76.	0.7	3
20	Large-area flexible nanostripe electrodes featuring plasmon hybridization engineering. <i>Nano Research</i> , 2021, 14, 858-867.	5.8	3
21	Tuning the transient opto-electronic properties of few-layer MoS <sub>2</sub> nanosheets via substrate nano-patterning. <i>EPJ Web of Conferences</i> , 2020, 238, 07006.	0.1	0