

# Mario Malerba

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,071  
citations

687220

13  
h-index

713332

21  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1969  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exhaled Breath Temperature Home Monitoring to Detect NSCLC Relapse: Results from a Pilot Study. <i>BioMed Research International</i> , 2022, 2022, 1-7.	0.9	2
2	Nano-IR study of light-matter interaction between intersubband transitions in quantum wells and patch antenna resonators by polymer expansion. , 2021, , .		0
3	Mid-infrared nano-imaging of current patterns in patch antenna resonators. , 2021, , .		0
4	Detection of strong light-matter interaction at the nano-scale in concealed optical cavities via a thermal transducer. , 2021, , .		0
5	A "Janus"-double sided mid-IR photodetector based on a MIM architecture. <i>Applied Physics Letters</i> , 2021, 119, 181102.	1.5	2
6	Nanospectroscopy of a single patch antenna strongly coupled to a mid-infrared intersubband transition in a quantum well. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	13
7	III-V on CaF <sub>2</sub> : a possible waveguiding platform for mid-IR photonic devices. <i>Optics Express</i> , 2019, 27, 1672.	1.7	7
8	Thermo-plasmonics: playing with temperature at the nanoscale (Conference Presentation). , 2017, , .		0
9	Controlling the Heat Dissipation in Temperature-Matched Plasmonic Nanostructures. <i>Nano Letters</i> , 2017, 17, 5472-5480.	4.5	27
10	High temperature nanoplasmonics. , 2016, , .		0
11	3D vertical nanostructures for enhanced infrared plasmonics. <i>Scientific Reports</i> , 2015, 5, 16436.	1.6	53
12	Slanted 3D Plasmonic Antenna Arrays. , 2015, , .		0
13	Hollow plasmonic antennas for broadband SERS spectroscopy. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 492-498.	1.5	21
14	Fabrication of ZnO nanoflowers on gold coated pillars. <i>Microelectronic Engineering</i> , 2015, 141, 51-55.	1.1	2
15	High Temperature Nanoplasmonics: The Key Role of Nonlinear Effects. <i>ACS Photonics</i> , 2015, 2, 115-120.	3.2	53
16	Hybridization in Three Dimensions: A Novel Route toward Plasmonic Metamolecules. <i>Nano Letters</i> , 2015, 15, 5200-5207.	4.5	39
17	3D hollow nanostructures as high quality plasmonic nanocavities for multipurpose applications. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
18	Lipid Droplets: A New Player in Colorectal Cancer Lipid Stem Cells Unveiled by Spectroscopic Imaging. <i>Stem Cells</i> , 2015, 33, 35-44.	1.4	185

#	ARTICLE	IF	CITATIONS
19	High Temperature Plasmonics: Optical Effects on Different Nanostructures. , 2015, , .		0
20	Novel 3D plasmonic nano-electrodes for cellular investigations and neural interfaces. Proceedings of SPIE, 2014, , .	0.8	2
21	Controlling Wetting and Self-Assembly Dynamics by Tailored Hydrophobic and Oleophobic Surfaces. Advanced Materials, 2014, 26, 4179-4183.	11.1	43
22	3D hollow nanostructures for multifunctional plasmonics. , 2014, , .		2
23	Hot-electron nanoscopy using adiabatic compression of surface plasmons. Nature Nanotechnology, 2013, 8, 845-852.	15.6	239
24	3D Hollow Nanostructures as Building Blocks for Multifunctional Plasmonics. Nano Letters, 2013, 13, 3553-3558.	4.5	149
25	Optimization of surface plasmon polariton generation in a nanocone through linearly polarized laser beams. Microelectronic Engineering, 2012, 97, 204-207.	1.1	8
26	In Situ Formation and Size Control of Gold Nanoparticles into Chitosan for Nanocomposite Surfaces with Tailored Wettability. Langmuir, 2012, 28, 3911-3917.	1.6	48
27	Fully analytical description of adiabatic compression in dissipative polaritonic structures. Physical Review B, 2012, 86, .	1.1	38
28	Nanoplasmonic structures for biophotonic applications: SERS overview. Annalen Der Physik, 2012, 524, 620-636.	0.9	18
29	Pyrolysis of waste polypropylene for the synthesis of carbon nanotubes. Journal of Analytical and Applied Pyrolysis, 2012, 94, 91-98.	2.6	118
30	Electron microscopy studies of electron-beam sensitive PbTe-based nanostructures. Microscopy Research and Technique, 2010, 73, 944-951.	1.2	2