Mario Malerba

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7445672/publications.pdf

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30	1,071	687220 13	713332 21
papers	citations	h-index	g-index

30	30	30	1969
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hot-electron nanoscopy using adiabatic compression of surface plasmons. Nature Nanotechnology, 2013, 8, 845-852.	15.6	239
2	Lipid Droplets: A New Player in Colorectal Cancer Stem Cells Unveiled by Spectroscopic Imaging. Stem Cells, 2015, 33, 35-44.	1.4	185
3	3D Hollow Nanostructures as Building Blocks for Multifunctional Plasmonics. Nano Letters, 2013, 13, 3553-3558.	4.5	149
4	Pyrolysis of waste polypropylene for the synthesis of carbon nanotubes. Journal of Analytical and Applied Pyrolysis, 2012, 94, 91-98.	2.6	118
5	3D vertical nanostructures for enhanced infrared plasmonics. Scientific Reports, 2015, 5, 16436.	1.6	53
6	High Temperature Nanoplasmonics: The Key Role of Nonlinear Effects. ACS Photonics, 2015, 2, 115-120.	3.2	53
7	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
8	Controlling Wetting and Selfâ€Assembly Dynamics by Tailored Hydrophobic and Oleophobic Surfaces. Advanced Materials, 2014, 26, 4179-4183.	11.1	43
9	Hybridization in Three Dimensions: A Novel Route toward Plasmonic Metamolecules. Nano Letters, 2015, 15, 5200-5207.	4.5	39
10	Fully analytical description of adiabatic compression in dissipative polaritonic structures. Physical Review B, 2012, 86, .	1.1	38
11	Controlling the Heat Dissipation in Temperature-Matched Plasmonic Nanostructures. Nano Letters, 2017, 17, 5472-5480.	4.5	27
12	Hollow plasmonic antennas for broadband SERS spectroscopy. Beilstein Journal of Nanotechnology, 2015, 6, 492-498.	1.5	21
13	Nanoplasmonic structures for biophotonic applications: SERS overview. Annalen Der Physik, 2012, 524, 620-636.	0.9	18
14	Nanospectroscopy of a single patch antenna strongly coupled to a mid-infrared intersubband transition in a quantum well. Applied Physics Letters, 2020, 117, .	1.5	13
15	Optimization of surface plasmon polariton generation in a nanocone through linearly polarized laser beams. Microelectronic Engineering, 2012, 97, 204-207.	1.1	8
16	III-V on CaF₂: a possible waveguiding platform for mid-IR photonic devices. Optics Express, 2019, 27, 1672.	1.7	7
17	Electron microscopy studies of electronâ€beam sensitive PbTeâ€based nanostructures. Microscopy Research and Technique, 2010, 73, 944-951.	1.2	2
18	Novel 3D plasmonic nano-electrodes for cellular investigations and neural interfaces. Proceedings of SPIE, 2014, , .	0.8	2

#	Article	IF	Citations
19	Fabrication of ZnO nanoflowers on gold coated pillars. Microelectronic Engineering, 2015, 141, 51-55.	1.1	2
20	3D hollow nanostructures for multifunctional plasmonics. , 2014, , .		2
21	A â€œJanusâ€•double sided mid-IR photodetector based on a MIM architecture. Applied Physics Letters, 2021, 119, 181102.	1.5	2
22	Exhaled Breath Temperature Home Monitoring to Detect NSCLC Relapse: Results from a Pilot Study. BioMed Research International, 2022, 2022, 1-7.	0.9	2
23	Slanted 3D Plasmonic Antenna Arrays. , 2015, , .		0
24	3D hollow nanostructures as high quality plasmonic nanocavities for multipurpose applications. Proceedings of SPIE, 2015, , .	0.8	0
25	High temperature nanoplasmonics. , 2016, , .		0
26	Thermo-plasmonics: playing with temperature at the nanoscale (Conference Presentation). , 2017, , .		0
27	Nano-IR study of light-matter interaction between intersubband transitions in quantum wells and patch antenna resonators by polymer expansion. , 2021, , .		0
28	Mid-infrared nano-imaging of current patterns in patch antenna resonators. , 2021, , .		0
29	Detection of strong light-matter interaction at the nano-scale in concealed optical cavities via a thermal transducer. , 2021, , .		0
30	High Temperature Plasmonics: Optical Effects on Different Nanostructures. , 2015, , .		0