Beniamino Sciacca

List of Publications by Year
in descending order

30	981	471509 17	552781 26
papers	citations	h-index	g-index

30	30	30	1826
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanoscale chiral valley-photon interface through optical spin-orbit coupling. Science, 2018, 359, 443-447.	12.6	208
2	Solutionâ€Grown Silver Nanowire Ordered Arrays as Transparent Electrodes. Advanced Materials, 2016, 28, 905-909.	21.0	101
3	Dip Biosensor Based on Localized Surface Plasmon Resonance at the Tip of an Optical Fiber. Langmuir, 2014, 30, 946-954.	3.5	79
4	Coupling of surface waves in highly defined one-dimensional porous silicon photonic crystals for gas sensing applications. Applied Physics Letters, 2007, 91, .	3.3	66
5	Chitosan-functionalized porous silicon optical transducer for the detection ofcarboxylic acid-containing drugs in water. Journal of Materials Chemistry, 2011, 21, 2294-2302.	6.7	59
6	Fast optical vapour sensing by Bloch surface waves on porous siliconmembranes. Physical Chemistry Chemical Physics, 2010, 12, 502-506.	2.8	52
7	Lanthanide Luminescence Enhancements in Porous Silicon Resonant Microcavities. ACS Applied Materials & Interfaces, 2014, 6, 12012-12021.	8.0	49
8	Bioconjugate functionalization of thermally carbonized porous silicon using a radical coupling reaction. Dalton Transactions, 2010, 39, 10847.	3.3	46
9	Radiative-surface plasmon resonance for the detection of apolipoprotein E in medical diagnostics applications. Nanomedicine: Nanotechnology, Biology, and Medicine, 2013, 9, 550-557.	3.3	44
10	Multiplexing of radiative-surface plasmon resonance for the detection of gastric cancer biomarkers in a single optical fiber. Sensors and Actuators B: Chemical, 2013, 183, 454-458.	7.8	43
11	Doubly resonant porous silicon microcavities for enhanced detection of fluorescent organic molecules. Sensors and Actuators B: Chemical, 2009, 137, 467-470.	7.8	39
12	Integrating Sphere Microscopy for Direct Absorption Measurements of Single Nanostructures. ACS Nano, 2017, 11, 1412-1418.	14.6	30
13	Solution-Phase Epitaxial Growth of Quasi-Monocrystalline Cuprous Oxide on Metal Nanowires. Nano Letters, 2014, 14, 5891-5898.	9.1	27
14	Transformation of Ag Nanowires into Semiconducting AgFeS₂ Nanowires. Journal of the American Chemical Society, 2015, 137, 4340-4343.	13.7	23
15	Monocrystalline Methylammonium Lead Halide Perovskite Materials for Photovoltaics. Advanced Materials, 2021, 33, e2102588.	21.0	22
16	Effect of surface roughness on metal enhanced fluorescence in planar substrates and optical fibers. Optical Materials Express, 2016, 6, 2128.	3.0	20
17	3D multi-energy deconvolution electron microscopy. Nanoscale, 2017, 9, 684-689.	5.6	20
18	Monocrystalline Nanopatterns Made by Nanocube Assembly and Epitaxy. Advanced Materials, 2017, 29, 1701064.	21.0	16

#	Article	IF	Citations
19	Thin Functional Zeolite Layer Supported on Infrared Resonant Nanoâ€Antennas for the Detection of Benzene Traces. Advanced Functional Materials, 2021, 31, 2101623.	14.9	10
20	Switching of fluorescence mediated by a peroxynitriteâ€“glutathione redox reaction in a porous silicon nanoreactor. Physical Chemistry Chemical Physics, 2012, 14, 5251.	2.8	7
21	AgFeS₂â€Nanowireâ€Modified BiVO₄ Photoanodes for Photoelectrochemical Water Splitting. ChemPlusChem, 2016, 81, 1075-1082.	2.8	6
22	Nanocube Epitaxy for the Realization of Printable Monocrystalline Nanophotonic Surfaces. Advanced Materials, 2022, 34, e2200364.	21.0	5
23	Surface modification of porous silicon microparticles by sonochemistry. RSC Advances, 2013, 3, 18799.	3.6	4
24	Nanowires: Solutionâ€Grown Silver Nanowire Ordered Arrays as Transparent Electrodes (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	21.0	2
25	Radiative-SPR platform for the detection of apolipoprotein E for use in medical diagnostics. Proceedings of SPIE, 2012, , .	0.8	1
26	Whispering gallery mode and surface plasmon resonance based refractometric sensors. Proceedings of SPIE, 2013, , .	0.8	1
27	Dependence of metal-enhanced fluorescence on surface roughness. , 2014, , .		1
28	Exploiting surface plasmon scattering on optical fibers. , 2016, , .		0
29	Valley-controlled directional coupling to plasmonic nanowire modes. , 2018, , .		0
30	Mid-IR sensing of volatile organic compounds at ppb levels. , 2018, , .		0