

Beniamino Sciacca

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

981
citations

471509

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h-index

552781

26
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30
all docs

30
docs citations

30
times ranked

1826
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanocube Epitaxy for the Realization of Printable Monocrystalline Nanophotonic Surfaces. <i>Advanced Materials</i> , 2022, 34, e2200364.	21.0	5
2	Thin Functional Zeolite Layer Supported on Infrared Resonant Nanoantennas for the Detection of Benzene Traces. <i>Advanced Functional Materials</i> , 2021, 31, 2101623.	14.9	10
3	Monocrystalline Methylammonium Lead Halide Perovskite Materials for Photovoltaics. <i>Advanced Materials</i> , 2021, 33, e2102588.	21.0	22
4	Nanoscale chiral valley-photon interface through optical spin-orbit coupling. <i>Science</i> , 2018, 359, 443-447.	12.6	208
5	Valley-controlled directional coupling to plasmonic nanowire modes. , 2018, , .		0
6	Mid-IR sensing of volatile organic compounds at ppb levels. , 2018, , .		0
7	Integrating Sphere Microscopy for Direct Absorption Measurements of Single Nanostructures. <i>ACS Nano</i> , 2017, 11, 1412-1418.	14.6	30
8	Monocrystalline Nanopatterns Made by Nanocube Assembly and Epitaxy. <i>Advanced Materials</i> , 2017, 29, 1701064.	21.0	16
9	3D multi-energy deconvolution electron microscopy. <i>Nanoscale</i> , 2017, 9, 684-689.	5.6	20
10	AgFeS ₂ Nanowire-Modified BiVO ₄ Photoanodes for Photoelectrochemical Water Splitting. <i>ChemPlusChem</i> , 2016, 81, 1075-1082.	2.8	6
11	Exploiting surface plasmon scattering on optical fibers. , 2016, , .		0
12	Effect of surface roughness on metal enhanced fluorescence in planar substrates and optical fibers. <i>Optical Materials Express</i> , 2016, 6, 2128.	3.0	20
13	Solution-Grown Silver Nanowire Ordered Arrays as Transparent Electrodes. <i>Advanced Materials</i> , 2016, 28, 905-909.	21.0	101
14	Nanowires: Solution-Grown Silver Nanowire Ordered Arrays as Transparent Electrodes (<i>Adv. Mater.</i>) Tj ETQq0 0 0,ggBT /Overlock 10 Tf	21.0	2
15	Transformation of Ag Nanowires into Semiconducting AgFeS ₂ Nanowires. <i>Journal of the American Chemical Society</i> , 2015, 137, 4340-4343.	13.7	23
16	Dependence of metal-enhanced fluorescence on surface roughness. , 2014, , .		1
17	Dip Biosensor Based on Localized Surface Plasmon Resonance at the Tip of an Optical Fiber. <i>Langmuir</i> , 2014, 30, 946-954.	3.5	79
18	Solution-Phase Epitaxial Growth of Quasi-Monocrystalline Cuprous Oxide on Metal Nanowires. <i>Nano Letters</i> , 2014, 14, 5891-5898.	9.1	27

#	ARTICLE	IF	CITATIONS
19	Lanthanide Luminescence Enhancements in Porous Silicon Resonant Microcavities. ACS Applied Materials & Interfaces, 2014, 6, 12012-12021.	8.0	49
20	Whispering gallery mode and surface plasmon resonance based refractometric sensors. Proceedings of SPIE, 2013, , .	0.8	1
21	Surface modification of porous silicon microparticles by sonochemistry. RSC Advances, 2013, 3, 18799.	3.6	4
22	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
23	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
24	Radiative-SPR platform for the detection of apolipoprotein E for use in medical diagnostics. Proceedings of SPIE, 2012, , .	0.8	1
25	Switching of fluorescence mediated by a peroxyinitriteâ€“glutathione redox reaction in a porous silicon nanoreactor. Physical Chemistry Chemical Physics, 2012, 14, 5251.	2.8	7
26	Chitosan-functionalized porous silicon optical transducer for the detection of carboxylic acid-containing drugs in water. Journal of Materials Chemistry, 2011, 21, 2294-2302.	6.7	59
27	Bioconjugate functionalization of thermally carbonized porous silicon using a radical coupling reaction. Dalton Transactions, 2010, 39, 10847.	3.3	46
28	Fast optical vapour sensing by Bloch surface waves on porous silicon membranes. Physical Chemistry Chemical Physics, 2010, 12, 502-506.	2.8	52
29	Doubly resonant porous silicon microcavities for enhanced detection of fluorescent organic molecules. Sensors and Actuators B: Chemical, 2009, 137, 467-470.	7.8	39
30	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