Silvia Romano

List of Publications by Year
in descending order

31	778	759233 12	794594 19
papers	citations	h-index	g-index

33	33	33	582
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Label-free DNA biosensing by topological light confinement. Nanophotonics, 2021, 10, 4279-4287.	6.0	18
2	Ultrasensitive Surface Refractive Index Imaging Based on Quasi-Bound States in the Continuum. ACS Nano, 2020, 14, 15417-15427.	14.6	67
3	Bound-state in the continuum of a photonic crystal metasurface: a platform for ultrasensitive sensing and near field amplification. Journal of Physics: Conference Series, 2020, 1461, 012138.	0.4	1
4	Refractive index sensing with optical bound states in the continuum. Optics Express, 2020, 28, 38907.	3.4	90
5	Tuning the exponential sensitivity of a bound-state-in-continuum optical sensor. Optics Express, 2019, 27, 18776.	3.4	71
6	Observation of spin-polarized directive coupling of light at bound states in the continuum. Optica, 2019, 6, 1305.	9.3	29
7	Enhancing light-matter interaction in all-dielectric photonic crystal metasurfaces. , 2019, , .		1
8	Quantum spin Hall effect in bound states in continuum. , 2019, , .		0
9	Label-free sensing of ultralow-weight molecules with all-dielectric metasurfaces supporting bound states in the continuum. Photonics Research, 2018, 6, 726.	7.0	209
10	Surface-Enhanced Raman and Fluorescence Spectroscopy with an All-Dielectric Metasurface. Journal of Physical Chemistry C, 2018, 122, 19738-19745.	3.1	75
11	Optical Biosensors Based on Photonic Crystals Supporting Bound States in the Continuum. Materials, 2018, 11, 526.	2.9	89
12	Optical sensors based on photonic crystal: a new route. , 2017, , .		2
13	Enhanced fluorescence emission using bound states in continuum in a photonic crystal membrane. , 2017, , .		0
14	Patterning of electrically tunable light-emitting photonic structures demonstrating bound states in the continuum. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2017, 35, .	1.2	16
15	Normal-State Optical Features Study of Nd123 and Gd1212 HTSC Materials for Photonics and Metamaterials Fabrication. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-4.	1.7	4
16	Giant field enhancement in photonic resonant lattices. Physical Review B, 2015, 92, .	3.2	52
17	High field enhancement factors in photonic nanostructures. , 2015, , .		0
18	High Tc Superconducting Materials for Photonics: Normal State Optical Features Study of Nd123 and Gd1212. , 2015, , .		2

#	Article	IF	Citations
19	Dielectric negative index metamaterial as plasmonics devices. Proceedings of SPIE, 2015, , .	0.8	0
20	High-field enhancement factor in dielectric photonic structures. Proceedings of SPIE, 2015, , .	0.8	0
21	Guided resonance in negative index photonic crystals: a new approach. Light: Science and Applications, 2014, 3, e120-e120.	16.6	19
22	The negative refraction under out-of-plane incident condition: an experimental study. , 2014, , .		0
23	Giant field enhancement in structured dielectrics film. , 2014, , .		0
24	Negative index resonant states: a route toward nonmetal plasmonics and metamaterials. , 2013, , .		0
25	Superconductors in plasmonics and metamaterials: some experimental data. , 2013, , .		1
26	Plasmon-like surface states in negative refractive index photonic crystals. Applied Physics Letters, 2013, 102, 081113.	3.3	14
27	High Tc superconductors for plasmonics and metamaterials fabrication: A preliminary normal state optical characterisation of Nd123 and Gd1212. Journal of Applied Physics, 2013, 114, .	2.5	2
28	New insight in guided resonances with negative refracting photonic crystals. , 2013, , .		0
29	UV Lithography On Graphene Flakes Produced By Highly Oriented Pyrolitic Graphite Exfoliation Through Polydimethylsiloxane Rubbing. Carbon Nanostructures, 2012, , 187-193.	0.1	1
30	Chemically exfoliated graphene detects NO2 at the ppb level. Procedia Engineering, 2011, 25, 1145-1148.	1.2	11
31	Observation of resonant states in negative refractive photonic crystals. Journal of the European Optical Society-Rapid Publications, 0, 9, .	1.9	1