

Giancarlo Soavi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

946
citations

18
h-index

30
g-index

59
ext. papers

1,286
ext. citations

10.6
avg, IF

3.91
L-index

#	Paper	IF	Citations
41	Broadband, electrically tunable third-harmonic generation in graphene. <i>Nature Nanotechnology</i> , 2018 , 13, 583-588	28.7	143
40	Out-of-plane heat transfer in van der Waals stacks through electron-hyperbolic phonon coupling. <i>Nature Nanotechnology</i> , 2018 , 13, 41-46	28.7	87
39	Snapshots of the retarded interaction of charge carriers with ultrafast fluctuations in cuprates. <i>Nature Physics</i> , 2015 , 11, 421-426	16.2	78
38	Exciton-exciton annihilation and biexciton stimulated emission in graphene nanoribbons. <i>Nature Communications</i> , 2016 , 7, 11010	17.4	69
37	Charge photogeneration in donor-acceptor conjugated materials: influence of excess excitation energy and chain length. <i>Journal of the American Chemical Society</i> , 2013 , 135, 4282-90	16.4	55
36	Intravalley Spin-Flip Relaxation Dynamics in Single-Layer WS. <i>Nano Letters</i> , 2018 , 18, 6882-6891	11.5	50
35	Ultrafast pseudospin dynamics in graphene. <i>Physical Review B</i> , 2015 , 92,	3.3	38
34	Control of Crystal Symmetry Breaking with Halogen-Substituted Benzylammonium in Layered Hybrid Metal-Halide Perovskites. <i>Journal of the American Chemical Society</i> , 2020 , 142, 5060-5067	16.4	33
33	Ultrafast Charge Photogeneration in Semiconducting Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 10849-10855	3.8	31
32	High energetic excitons in carbon nanotubes directly probe charge-carriers. <i>Scientific Reports</i> , 2015 , 5, 9681	4.9	27
31	Coherent longitudinal acoustic phonons in three-dimensional supracrystals of cobalt nanocrystals. <i>Nano Letters</i> , 2013 , 13, 4914-9	11.5	25
30	Ultrafast Photophysics of Single-Walled Carbon Nanotubes. <i>Advanced Optical Materials</i> , 2016 , 4, 1670-1688	11.5	24
29	Ultrasensitive Characterization of Mechanical Oscillations and Plasmon Energy Shift in Gold Nanorods. <i>ACS Nano</i> , 2016 , 10, 2251-8	16.7	22
28	Hot Electrons Modulation of Third-Harmonic Generation in Graphene. <i>ACS Photonics</i> , 2019 , 6, 2841-2849	6.3	22
27	Size and nanocrystallinity controlled gold nanocrystals: synthesis, electronic and mechanical properties. <i>Nanoscale</i> , 2015 , 7, 3237-46	7.7	22
26	Broadly tunable ultrafast pump-probe system operating at multi-kHz repetition rate. <i>Journal of Optics (United Kingdom)</i> , 2018 , 20, 014005	1.7	22
25	Electrically Tunable Four-Wave-Mixing in Graphene Heterogeneous Fiber for Individual Gas Molecule Detection. <i>Nano Letters</i> , 2020 , 20, 6473-6480	11.5	18

24	Wavelength tunable soliton rains in a nanotube-mode locked Tm-doped fiber laser. <i>Applied Physics Letters</i> , 2018 , 113, 193102	3.4	18
23	Strongly Coupled Coherent Phonons in Single-Layer MoS. <i>ACS Nano</i> , 2020 , 14, 5700-5710	16.7	15
22	Hot carriers in graphene - fundamentals and applications. <i>Nanoscale</i> , 2021 , 13, 8376-8411	7.7	15
21	Stimulated emission properties of fluorophores by CW-STED single molecule spectroscopy. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 16405-15	3.4	12
20	Photocatalytic activity of exfoliated graphite-TiO nanoparticle composites. <i>Nanoscale</i> , 2019 , 11, 19301-19314	12.7	12
19	All-optical polarization and amplitude modulation of second-harmonic generation in atomically thin semiconductors. <i>Nature Photonics</i> ,	33.9	12
18	Low-Loss Integrated Nanophotonic Circuits with Layered Semiconductor Materials. <i>Nano Letters</i> , 2021 , 21, 2709-2718	11.5	10
17	Structure and dynamics of the membrane attaching nitric oxide transporter nitrophorin 7. <i>F1000Research</i> ,4, 45	3.6	9
16	Weak Distance Dependence of Hot-Electron-Transfer Rates at the Interface between Monolayer MoS and Gold. <i>ACS Nano</i> , 2021 , 15, 819-828	16.7	9
15	Exciton-phonon coupling strength in single-layer MoSe at room temperature. <i>Nature Communications</i> , 2021 , 12, 954	17.4	9
14	Multispecies and individual gas molecule detection using Stokes solitons in a graphene over-modal microresonator. <i>Nature Communications</i> , 2021 , 12, 6716	17.4	8
13	Ultrafast Spectroscopy of Graphene-Protected Thin Copper Films. <i>ACS Photonics</i> , 2016 , 3, 1508-1516	6.3	7
12	Delayed electron relaxation in CdTe nanorods studied by spectral analysis of the ultrafast transient absorption. <i>Chemical Physics</i> , 2016 , 471, 39-45	2.3	6
11	Structure and dynamics of the membrane attaching nitric oxide transporter nitrophorin 7. <i>F1000Research</i> , 2015 , 4, 45	3.6	6
10	Below-gap excitation of semiconducting single-wall carbon nanotubes. <i>Nanoscale</i> , 2015 , 7, 18337-42	7.7	5
9	Wide-Bandgap Double Perovskites with Multiple Longitudinal-Optical Phonon Scattering. <i>Advanced Functional Materials</i> ,2111338	15.6	5
8	Electrically Tunable Nonequilibrium Optical Response of Graphene.. <i>ACS Nano</i> , 2022 ,	16.7	4
7	Guided Assembly and Patterning of Intrinsically Fluorescent Amyloid Fibers with Long-Range Order. <i>Nano Letters</i> , 2021 , 21, 938-945	11.5	3

6	Optoelectronic mixing with high-frequency graphene transistors. <i>Nature Communications</i> , 2021 , 12, 2728	7.4	2
5	Tunable broadband light emission from graphene. <i>2D Materials</i> , 2021 , 8, 035026	5.9	2
4	Electrostatic Tuning of the Ligand Binding Mechanism by Glu27 in Nitrophorin 7. <i>Scientific Reports</i> , 2018 , 8, 10855	4.9	1
3	Ultrafast Charge Photogeneration and Dynamics in Semiconducting Carbon Nanotubes. <i>Springer Proceedings in Physics</i> , 2015 , 360-362	0.2	1
2	Tuning exciton recombination rates in doped transition metal dichalcogenides. <i>Optical Materials: X</i> , 2021 , 12, 100097	1.7	0
1	Ultrafast Non-thermal Response of Plasmonic Resonance in Gold Nanoantennas. <i>Springer Proceedings in Physics</i> , 2015 , 679-682	0.2	