

# Giancarlo Soavi

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8346399/giancarlo-soavi-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Electrically Tunable Nonequilibrium Optical Response of Graphene.. <i>ACS Nano</i> , <b>2022</b> ,	16.7	4
40	Multispecies and individual gas molecule detection using Stokes solitons in a graphene over-modal microresonator. <i>Nature Communications</i> , <b>2021</b> , 12, 6716	17.4	8
39	Tuning exciton recombination rates in doped transition metal dichalcogenides. <i>Optical Materials: X</i> , <b>2021</b> , 12, 100097	1.7	0
38	Low-Loss Integrated Nanophotonic Circuits with Layered Semiconductor Materials. <i>Nano Letters</i> , <b>2021</b> , 21, 2709-2718	11.5	10
37	Optoelectronic mixing with high-frequency graphene transistors. <i>Nature Communications</i> , <b>2021</b> , 12, 2728	7.4	2
36	Tunable broadband light emission from graphene. <i>2D Materials</i> , <b>2021</b> , 8, 035026	5.9	2
35	Weak Distance Dependence of Hot-Electron-Transfer Rates at the Interface between Monolayer MoS and Gold. <i>ACS Nano</i> , <b>2021</b> , 15, 819-828	16.7	9
34	Hot carriers in graphene - fundamentals and applications. <i>Nanoscale</i> , <b>2021</b> , 13, 8376-8411	7.7	15
33	Guided Assembly and Patterning of Intrinsically Fluorescent Amyloid Fibers with Long-Range Order. <i>Nano Letters</i> , <b>2021</b> , 21, 938-945	11.5	3
32	Exciton-phonon coupling strength in single-layer MoSe at room temperature. <i>Nature Communications</i> , <b>2021</b> , 12, 954	17.4	9
31	Strongly Coupled Coherent Phonons in Single-Layer MoS. <i>ACS Nano</i> , <b>2020</b> , 14, 5700-5710	16.7	15
30	Control of Crystal Symmetry Breaking with Halogen-Substituted Benzylammonium in Layered Hybrid Metal-Halide Perovskites. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 5060-5067	16.4	33
29	Electrically Tunable Four-Wave-Mixing in Graphene Heterogeneous Fiber for Individual Gas Molecule Detection. <i>Nano Letters</i> , <b>2020</b> , 20, 6473-6480	11.5	18
28	Hot Electrons Modulation of Third-Harmonic Generation in Graphene. <i>ACS Photonics</i> , <b>2019</b> , 6, 2841-2849	6.3	22
27	Photocatalytic activity of exfoliated graphite-TiO nanoparticle composites. <i>Nanoscale</i> , <b>2019</b> , 11, 19301-19314	7.7	12
26	Out-of-plane heat transfer in van der Waals stacks through electron-hyperbolic phonon coupling. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 41-46	28.7	87
25	Electrostatic Tuning of the Ligand Binding Mechanism by Glu27 in Nitrophorin 7. <i>Scientific Reports</i> , <b>2018</b> , 8, 10855	4.9	1

24	Broadly tunable ultrafast pump-probe system operating at multi-kHz repetition rate. <i>Journal of Optics (United Kingdom)</i> , <b>2018</b> , 20, 014005	1.7	22
23	Wavelength tunable soliton rains in a nanotube-mode locked Tm-doped fiber laser. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 193102	3.4	18
22	Intravalley Spin-Flip Relaxation Dynamics in Single-Layer WS. <i>Nano Letters</i> , <b>2018</b> , 18, 6882-6891	11.5	50
21	Broadband, electrically tunable third-harmonic generation in graphene. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 583-588	28.7	143
20	Ultrafast Photophysics of Single-Walled Carbon Nanotubes. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 1670-1688	16.8	24
19	Exciton-exciton annihilation and biexciton stimulated emission in graphene nanoribbons. <i>Nature Communications</i> , <b>2016</b> , 7, 11010	17.4	69
18	Delayed electron relaxation in CdTe nanorods studied by spectral analysis of the ultrafast transient absorption. <i>Chemical Physics</i> , <b>2016</b> , 471, 39-45	2.3	6
17	Ultrasensitive Characterization of Mechanical Oscillations and Plasmon Energy Shift in Gold Nanorods. <i>ACS Nano</i> , <b>2016</b> , 10, 2251-8	16.7	22
16	Ultrafast Spectroscopy of Graphene-Protected Thin Copper Films. <i>ACS Photonics</i> , <b>2016</b> , 3, 1508-1516	6.3	7
15	Snapshots of the retarded interaction of charge carriers with ultrafast fluctuations in cuprates. <i>Nature Physics</i> , <b>2015</b> , 11, 421-426	16.2	78
14	Below-gap excitation of semiconducting single-wall carbon nanotubes. <i>Nanoscale</i> , <b>2015</b> , 7, 18337-42	7.7	5
13	Ultrafast pseudospin dynamics in graphene. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	38
12	High energetic excitons in carbon nanotubes directly probe charge-carriers. <i>Scientific Reports</i> , <b>2015</b> , 5, 9681	4.9	27
11	Size and nanocrystallinity controlled gold nanocrystals: synthesis, electronic and mechanical properties. <i>Nanoscale</i> , <b>2015</b> , 7, 3237-46	7.7	22
10	Structure and dynamics of the membrane attaching nitric oxide transporter nitrophorin 7. <i>F1000Research</i> , <b>2015</b> , 4, 45	3.6	6
9	Ultrafast Charge Photogeneration and Dynamics in Semiconducting Carbon Nanotubes. <i>Springer Proceedings in Physics</i> , <b>2015</b> , 360-362	0.2	1
8	Ultrafast Non-thermal Response of Plasmonic Resonance in Gold Nanoantennas. <i>Springer Proceedings in Physics</i> , <b>2015</b> , 679-682	0.2	
7	Coherent longitudinal acoustic phonons in three-dimensional supracrystals of cobalt nanocrystals. <i>Nano Letters</i> , <b>2013</b> , 13, 4914-9	11.5	25

6	Charge photogeneration in donor-acceptor conjugated materials: influence of excess excitation energy and chain length. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 4282-90	16.4	55
5	Ultrafast Charge Photogeneration in Semiconducting Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 10849-10855	3.8	31
4	Stimulated emission properties of fluorophores by CW-STED single molecule spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 16405-15	3.4	12
3	Structure and dynamics of the membrane attaching nitric oxide transporter nitrophorin 7. <i>F1000Research</i> , <b>4</b> , 45	3.6	9
2	All-optical polarization and amplitude modulation of second-harmonic generation in atomically thin semiconductors. <i>Nature Photonics</i> ,	33.9	12
1	Wide-Bandgap Double Perovskites with Multiple Longitudinal-Optical Phonon Scattering. <i>Advanced Functional Materials</i> , <b>2111338</b>	15.6	5