

# Felice Gesuele

## List of Publications by Year in descending order

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43  
papers

654  
citations

516710

16  
h-index

580821

25  
g-index

43  
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43  
docs citations

43  
times ranked

1156  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of parathion and patulin by quartz-crystal microbalance functionalized by the photonics immobilization technique. <i>Biosensors and Bioelectronics</i> , 2015, 67, 224-229.	10.1	77
2	Ultrafast Supercontinuum Spectroscopy of Carrier Multiplication and Biexcitonic Effects in Excited States of PbS Quantum Dots. <i>Nano Letters</i> , 2012, 12, 2658-2664.	9.1	48
3	Giant $O_2$ -Induced Photoluminescence Modulation in Hierarchical Titanium Dioxide Nanostructures. <i>ACS Sensors</i> , 2017, 2, 61-68.	7.8	34
4	Green synthesis of luminescent and defect-free bio-nanosheets of $MoS_2$ : interfacing two-dimensional crystals with hydrophobins. <i>RSC Advances</i> , 2017, 7, 22400-22408.	3.6	31
5	Effects of ambient air pressure on surface structures produced by ultrashort laser pulse irradiation. <i>Optics Letters</i> , 2017, 42, 2710.	3.3	30
6	Femtosecond UV-laser pulses to unveil protein-protein interactions in living cells. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 637-648.	5.4	29
7	Amorphous Silicon Nitride: a suitable alloy for optical multilayered structures. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 1294-1297.	3.1	28
8	Unconventional ratiometric-enhanced optical sensing of oxygen by mixed-phase $TiO_2$ . <i>Applied Physics Letters</i> , 2016, 109, .	3.3	25
9	Tuning the Coupling in Single-Molecule Heterostructures: DNA-Programmed and Reconfigurable Carbon Nanotube-Based Nanohybrids. <i>Advanced Science</i> , 2018, 5, 1800596.	11.2	24
10	Forming nanostructured surfaces through Janus colloidal silica particles with nanowrinkles: A new strategy to superhydrophobicity. <i>Applied Surface Science</i> , 2019, 465, 73-81.	6.1	24
11	Time-resolved energy transfer from single chloride-terminated nanocrystals to graphene. <i>Applied Physics Letters</i> , 2014, 104, 171101.	3.3	23
12	Electrostatically driven scalable synthesis of $MoS_2$ -graphene hybrid films assisted by hydrophobins. <i>RSC Advances</i> , 2017, 7, 50166-50175.	3.6	23
13	Analysis of nascent silicon phase-change gratings induced by femtosecond laser irradiation in vacuum. <i>Scientific Reports</i> , 2018, 8, 12498.	3.3	23
14	Carbon Nanotube-Quantum Dot Nanohybrids: Coupling with Single-Particle Control in Aqueous Solution. <i>Small</i> , 2017, 13, 1603042.	10.0	22
15	Enhanced light coupling in sub-wavelength single-mode silicon on insulator waveguides. <i>Optics Express</i> , 2009, 17, 6939.	3.4	19
16	Real-space observation of spectral degeneracy breaking in a waveguide-coupled disk microresonator. <i>Optics Letters</i> , 2010, 35, 3168.	3.3	18
17	Influence of ambient pressure on surface structures generated by ultrashort laser pulse irradiation. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	15
18	Laser annealing study of PECVD deposited hydrogenated amorphous silicon carbon alloy films. <i>Applied Surface Science</i> , 2007, 254, 984-988.	6.1	14

#	ARTICLE	IF	CITATIONS
19	Towards routine near-field optical characterization of silicon-based photonic structures: An optical mode analysis in integrated waveguides by transmission AFM-based SNOM. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009, 41, 1130-1134.	2.7	14
20	Second-harmonic generation in hydrogenated amorphous-Si <sub>1-x</sub> N <sub>x</sub> doubly resonant microcavities with periodic dielectric mirrors. <i>Applied Physics Letters</i> , 2005, 87, 191110.	3.3	13
21	Field localization and enhanced Second-Harmonic Generation in silicon-based microcavities. <i>Optics Express</i> , 2007, 15, 4159.	3.4	12
22	Ultrafast Hyperspectral Transient Absorption Spectroscopy: Application to Single Layer Graphene. <i>Photonics</i> , 2019, 6, 95.	2.0	12
23	Impact of Eumelanin/PEDOT Blending: Increased PEDOT Crystalline Order and Packing/Conductivity Relationship in Ternary PEDOT:PSS:Eumelanin Thin Films. <i>Advanced Electronic Materials</i> , 2019, 5, 1800585.	5.1	12
24	Time-resolved analysis of DNA-protein interactions in living cells by UV laser pulses. <i>Scientific Reports</i> , 2017, 7, 11725.	3.3	11
25	Multi-imaging analysis of nascent surface structures generated during femtosecond laser irradiation of silicon in high vacuum. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	11
26	Band-edge and cavity second harmonic conversion in doubly resonant microcavity. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007, 40, 727-734.	1.5	10
27	Temporal and spectral characterization of femtosecond deep-UV chirped pulses. <i>Laser Physics Letters</i> , 2015, 12, 025302.	1.4	10
28	A multi-scale time-resolved study of photoactivated dynamics in 5-benzyl uracil, a model for DNA/protein interactions. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 26301-26310.	2.8	9
29	Spontaneous wrinkle emergence in nascent eumelanin thin films. <i>Soft Matter</i> , 2019, 15, 9261-9270.	2.7	9
30	Nano-machining of biosensor electrodes through gold nanoparticles deposition produced by femtosecond laser ablation. <i>Applied Physics B: Lasers and Optics</i> , 2015, 119, 497-501.	2.2	7
31	Eumelanin Precursor 2-Carboxy-5,6-Dihydroxyindole (DHICA) as Doping Factor in Ternary (PEDOT:PSS/Eumelanin) Thin Films for Conductivity Enhancement. <i>Materials</i> , 2020, 13, 2108.	2.9	6
32	Simple and Flexible Model for Laser-Driven Antibody-Gold Surface Interactions: Functionalization and Sensing. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 21762-21769.	8.0	4
33	Photoluminescence-based real-time monitoring of graphene oxide photoreduction: Demonstrations and application to graphene oxide/titanium dioxide composites. <i>Journal of Luminescence</i> , 2017, 188, 129-134.	3.1	4
34	Optical harmonic generation in amorphous silicon nitride microcavities. <i>Journal of Luminescence</i> , 2006, 121, 274-277.	3.1	1
35	Thickness identification of 2D materials by machine learning assisted optical microscopy. , 2021, , .		1
36	Ultrafast carrier dynamics in atomically thin two-dimensional crystals. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
37	Development of Carbon Nanotube based radiation detectors. Nuclear Physics, Section B, Proceedings Supplements, 2007, 172, 57-60.	0.4	0
38	Ultrafast supercontinuum spectroscopy of multiple exciton states in lead chalcogenide nanorods and nanocrystals. , 2012, , .		0
39	Linear optical methods for temporal characterization of femtosecond UV pulses. Proceedings of SPIE, 2014, , .	0.8	0
40	Weak Exciton-Photon Coupling of PbS Nanocrystals in Air-Slot Mode-Gap Si Photonic Crystal Nanocavities in the Near-Infrared. , 2010, , .		0
41	Formation and multi-imaging analysis of nascent surface structures generated by femtosecond laser irradiation in silicon. , 2017, , .		0
42	Correlative imaging of exciton distribution in monolayer of transition metal dichalcogenides. , 2020, , .		0
43	Multi-imaging analysis of exciton states in monolayer of transition metal dichalcogenides. , 2020, , .		0