

# Felice Gesuele

## List of Publications by Year in descending order

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docs citations

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times ranked

1156  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thickness identification of 2D materials by machine learning assisted optical microscopy. , 2021, , .		1
2	Eumelanin Precursor 2-Carboxy-5,6-Dihydroxyindole (DHICA) as Doping Factor in Ternary (PEDOT:PSS/Eumelanin) Thin Films for Conductivity Enhancement. Materials, 2020, 13, 2108.	2.9	6
3	Correlative imaging of exciton distribution in monolayer of transition metal dichalcogenides. , 2020, , .		0
4	Multi-imaging analysis of exciton states in monolayer of transition metal dichalcogenides. , 2020, , .		0
5	Ultrafast Hyperspectral Transient Absorption Spectroscopy: Application to Single Layer Graphene. Photonics, 2019, 6, 95.	2.0	12
6	A multi-scale time-resolved study of photoactivated dynamics in 5-benzyl uracil, a model for DNA/protein interactions. Physical Chemistry Chemical Physics, 2019, 21, 26301-26310.	2.8	9
7	Spontaneous wrinkle emergence in nascent eumelanin thin films. Soft Matter, 2019, 15, 9261-9270.	2.7	9
8	Forming nanostructured surfaces through Janus colloidal silica particles with nanowrinkles: A new strategy to superhydrophobicity. Applied Surface Science, 2019, 465, 73-81.	6.1	24
9	Impact of Eumelaninâ€“PEDOT Blending: Increased PEDOT Crystalline Order and Packingâ€“Conductivity Relationship in Ternary PEDOT:PSS:Eumelanin Thin Films. Advanced Electronic Materials, 2019, 5, 1800585.	5.1	12
10	Multi-imaging analysis of nascent surface structures generated during femtosecond laser irradiation of silicon in high vacuum. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	11
11	Influence of ambient pressure on surface structures generated by ultrashort laser pulse irradiation. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	15
12	Tuning the Coupling in Singleâ€“Molecule Heterostructures: DNAâ€“Programmed and Reconfigurable Carbon Nanotubeâ€“Based Nanohybrids. Advanced Science, 2018, 5, 1800596.	11.2	24
13	Analysis of nascent silicon phase-change gratings induced by femtosecond laser irradiation in vacuum. Scientific Reports, 2018, 8, 12498.	3.3	23
14	Ultrafast carrier dynamics in atomically thin two-dimensional crystals. , 2018, , .		1
15	Carbon Nanotubeâ€“Quantum Dot Nanohybrids: Coupling with Singleâ€“Particle Control in Aqueous Solution. Small, 2017, 13, 1603042.	10.0	22
16	Photoluminescence-based real-time monitoring of graphene oxide photoreduction: Demonstrations and application to graphene oxide/titanium dioxide composites. Journal of Luminescence, 2017, 188, 129-134.	3.1	4
17	Green synthesis of luminescent and defect-free bio-nanosheets of MoS <sub>2</sub> : interfacing two-dimensional crystals with hydrophobins. RSC Advances, 2017, 7, 22400-22408.	3.6	31
18	Giant O <sub>2</sub> -Induced Photoluminescence Modulation in Hierarchical Titanium Dioxide Nanostructures. ACS Sensors, 2017, 2, 61-68.	7.8	34

#	ARTICLE	IF	CITATIONS
19	Time-resolved analysis of DNA-protein interactions in living cells by UV laser pulses. Scientific Reports, 2017, 7, 11725.	3.3	11
20	Electrostatically driven scalable synthesis of MoS <sub>2</sub> –graphene hybrid films assisted by hydrophobins. RSC Advances, 2017, 7, 50166-50175.	3.6	23
21	Effects of ambient air pressure on surface structures produced by ultrashort laser pulse irradiation. Optics Letters, 2017, 42, 2710.	3.3	30
22	Formation and multi-imaging analysis of nascent surface structures generated by femtosecond laser irradiation in silicon. , 2017, , .		0
23	Simple and Flexible Model for Laser-Driven Antibody–Gold Surface Interactions: Functionalization and Sensing. ACS Applied Materials & Interfaces, 2016, 8, 21762-21769.	8.0	4
24	Unconventional ratiometric-enhanced optical sensing of oxygen by mixed-phase TiO <sub>2</sub> . Applied Physics Letters, 2016, 109, .	3.3	25
25	Femtosecond UV-laser pulses to unveil protein–protein interactions in living cells. Cellular and Molecular Life Sciences, 2016, 73, 637-648.	5.4	29
26	Nano-machining of biosensor electrodes through gold nanoparticles deposition produced by femtosecond laser ablation. Applied Physics B: Lasers and Optics, 2015, 119, 497-501.	2.2	7
27	Temporal and spectral characterization of femtosecond deep-UV chirped pulses. Laser Physics Letters, 2015, 12, 025302.	1.4	10
28	Detection of parathion and patulin by quartz-crystal microbalance functionalized by the photonics immobilization technique. Biosensors and Bioelectronics, 2015, 67, 224-229.	10.1	77
29	Linear optical methods for temporal characterization of femtosecond UV pulses. Proceedings of SPIE, 2014, , .	0.8	0
30	Time-resolved energy transfer from single chloride-terminated nanocrystals to graphene. Applied Physics Letters, 2014, 104, 171101.	3.3	23
31	Ultrafast supercontinuum spectroscopy of multiple exciton states in lead chalcogenide nanorods and nanocrystals. , 2012, , .		0
32	Ultrafast Supercontinuum Spectroscopy of Carrier Multiplication and Biexcitonic Effects in Excited States of PbS Quantum Dots. Nano Letters, 2012, 12, 2658-2664.	9.1	48
33	Real-space observation of spectral degeneracy breaking in a waveguide-coupled disk microresonator. Optics Letters, 2010, 35, 3168.	3.3	18
34	Weak Exciton-Photon Coupling of PbS Nanocrystals in Air-Slot Mode-Gap Si Photonic Crystal Nanocavities in the Near-Infrared. , 2010, , .		0
35	Towards routine near-field optical characterization of silicon-based photonic structures: An optical mode analysis in integrated waveguides by transmission AFM-based SNOM. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1130-1134.	2.7	14
36	Enhanced light coupling in sub-wavelength single-mode silicon on insulator waveguides. Optics Express, 2009, 17, 6939.	3.4	19

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37	Band-edge and cavity second harmonic conversion in doubly resonant microcavity. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, 727-734.	1.5	10
38	Field localization and enhanced Second-Harmonic Generation in silicon-based microcavities. Optics Express, 2007, 15, 4159.	3.4	12
39	Laser annealing study of PECVD deposited hydrogenated amorphous silicon carbon alloy films. Applied Surface Science, 2007, 254, 984-988.	6.1	14
40	Development of Carbon Nanotube based radiation detectors. Nuclear Physics, Section B, Proceedings Supplements, 2007, 172, 57-60.	0.4	0
41	Amorphous Silicon Nitride: a suitable alloy for optical multilayered structures. Journal of Non-Crystalline Solids, 2006, 352, 1294-1297.	3.1	28
42	Optical harmonic generation in amorphous silicon nitride microcavities. Journal of Luminescence, 2006, 121, 274-277.	3.1	1
43	Second-harmonic generation in hydrogenated amorphous-Si <sub>1-x</sub> N <sub>x</sub> doubly resonant microcavities with periodic dielectric mirrors. Applied Physics Letters, 2005, 87, 191110.	3.3	13