

Giulia Tagliabue

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,758
citations

393982

19
h-index

552369

26
g-index

28
all docs

28
docs citations

28
times ranked

2663
citing authors

#	ARTICLE	IF	CITATIONS
1	Hot Hole Collection and Photoelectrochemical CO ₂ Reduction with Plasmonic Au/p-GaN Photocathodes. Nano Letters, 2018, 18, 2545-2550.	4.5	307
2	Challenges in Plasmonic Catalysis. ACS Nano, 2020, 14, 16202-16219.	7.3	203
3	High Photovoltaic Quantum Efficiency in Ultrathin van der Waals Heterostructures. ACS Nano, 2017, 11, 7230-7240.	7.3	193
4	Near-Unity Absorption in van der Waals Semiconductors for Ultrathin Optoelectronics. Nano Letters, 2016, 16, 5482-5487.	4.5	156
5	Quantifying the role of surface plasmon excitation and hot carrier transport in plasmonic devices. Nature Communications, 2018, 9, 3394.	5.8	147
6	Ultrafast hot-hole injection modifies hot-electron dynamics in Au/p-GaN heterostructures. Nature Materials, 2020, 19, 1312-1318.	13.3	138
7	Optical Excitation of a Nanoparticle Cu/p-NiO Photocathode Improves Reaction Selectivity for CO ₂ Reduction in Aqueous Electrolytes. Nano Letters, 2020, 20, 2348-2358.	4.5	82
8	Direct observation of charge separation on Au localized surface plasmons. Energy and Environmental Science, 2013, 6, 3584.	15.6	70
9	Nanoporous Gold as a Highly Selective and Active Carbon Dioxide Reduction Catalyst. ACS Applied Energy Materials, 2019, 2, 164-170.	2.5	55
10	High Spectral Resolution Plasmonic Color Filters with Subwavelength Dimensions. ACS Photonics, 2019, 6, 332-338.	3.2	54
11	Hot-Hole <i>versus</i> Hot-Electron Transport at Cu/GaN Heterojunction Interfaces. ACS Nano, 2020, 14, 5788-5797.	7.3	53
12	Facile multifunctional plasmonic sunlight harvesting with tapered triangle nanopatterning of thin films. Nanoscale, 2013, 5, 9957.	2.8	36
13	Rapid-Response Low Infrared Emission Broadband Ultrathin Plasmonic Light Absorber. Scientific Reports, 2015, 4, 7181.	1.6	33
14	A Rapid Response Thin-Film Plasmonic-Thermoelectric Light Detector. Scientific Reports, 2016, 6, 37564.	1.6	30
15	Transport of hot carriers in plasmonic nanostructures. Physical Review Materials, 2019, 3, .	0.9	30
16	A micro particle shadow velocimetry (µPSV) technique to measure flows in microchannels. Experiments in Fluids, 2013, 54, 1.	1.1	25
17	Intrinsic luminescence blinking from plasmonic nanojunctions. Nature Communications, 2021, 12, 2731.	5.8	25
18	Self-induced thermo-optical effects in silicon and germanium dielectric nanoresonators. Nanophotonics, 2020, 9, 3849-3861.	2.9	24

#	ARTICLE	IF	CITATIONS
19	Dynamics of hot electron generation in metallic nanostructures: general discussion. Faraday Discussions, 2019, 214, 123-146.	1.6	21
20	Photo-modulated optical and electrical properties of graphene. Nanophotonics, 2022, 11, 917-940.	2.9	15
21	Thermally reconfigurable metalens. Nanophotonics, 2022, 11, 3969-3980.	2.9	13
22	Ultra-Broadband and Omnidirectional Perfect Absorber Based on Copper Nanowire/Carbon Nanotube Hierarchical Structure. ACS Photonics, 2020, 7, 366-374.	3.2	12
23	Plasmon-induced near-infrared fluorescence enhancement of single-walled carbon nanotubes. Carbon, 2022, 194, 162-175.	5.4	12
24	Proximal gap-plasmon nanoresonators in the limit of vanishing inter-cavity separation. Nanoscale, 2014, 6, 10274-10280.	2.8	9
25	Low-Intensity High-Temperature (LIHT) Solar Cells for Venus Atmosphere. IEEE Journal of Photovoltaics, 2018, 8, 1621-1626.	1.5	7
26	High Aspect Ratio Au Microflakes via Gap-Assisted Synthesis. Chemistry of Materials, 2022, 34, 1278-1288.	3.2	7
27	Solar Cell Analysis Under Venus Atmosphere Conditions. , 2018, , .		1
28	Thermally reconfigurable varifocal silicon metalens. , 2021, , .		0