

George Zograf

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

666
citations

840776

11
h-index

752698

20
g-index

35
all docs

35
docs citations

35
times ranked

930
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermo-optical reshaping of second-harmonic emission from dimer all-dielectric nanoresonators. Optics Letters, 2022, 47, 1992.	3.3	5
2	Nonlinear optical heating of all-dielectric super-cavity: efficient light-to-heat conversion through giant thermorefractive bistability. Nanophotonics, 2022, 11, 3981-3991.	6.0	10
3	Enhanced Raman Scattering for Probing Near-Field Distribution in All-Dielectric Nanostructures. Advanced Photonics Research, 2021, 2, 2000139.	3.6	5
4	Opto-thermally controlled beam steering in nonlinear all-dielectric metastructures. Optics Express, 2021, 29, 37128.	3.4	26
5	Manipulation Technique for Precise Transfer of Single Perovskite Nanoparticles. Nanomaterials, 2020, 10, 1306.	4.1	8
6	Light induced temperature decrease of semiconductor nanoparticle. Journal of Physics: Conference Series, 2020, 1461, 012179.	0.4	0
7	Doping of resonant silicon nanodisks for efficient optical heating in the near-infrared range. Journal of Physics: Conference Series, 2020, 1461, 012201.	0.4	0
8	Electrically driven metal and all-dielectric nanoantennas for plasmon polariton excitation. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 244, 106825.	2.3	8
9	Synergistic Effect of Plasma and Laser Processes in Liquid for Alloyed-Nanoparticle Synthesis. Physical Review Applied, 2020, 13, .	3.8	13
10	Revealing Low-Radiative Modes of Nanoresonators with Internal Raman Scattering. JETP Letters, 2019, 110, 25-30.	1.4	5
11	Optical cooling of lead halide perovskite nanoparticles enhanced by Mie resonances. Nanoscale, 2019, 11, 17800-17806.	5.6	16
12	Purcell effect in active diamond nanoantennas. Nanoscale, 2018, 10, 8721-8727.	5.6	38
13	Light-Emitting Halide Perovskite Nanoantennas. Nano Letters, 2018, 18, 1185-1190.	9.1	132
14	Metal-Dielectric Nanocavity for Real-Time Tracing Molecular Events with Temperature Feedback. Laser and Photonics Reviews, 2018, 12, 1700227.	8.7	45
15	Photoluminescence spectral position shift governed by optical heating of perovskite resonant nanoparticles. Journal of Physics: Conference Series, 2018, 1092, 012179.	0.4	0
16	Local Crystallization of a Resonant Amorphous Silicon Nanoparticle for the Implementation of Optical Nanothermometry. JETP Letters, 2018, 107, 699-704.	1.4	14
17	Resonant Nonplasmonic Nanoparticles for Efficient Temperature-Feedback Optical Heating. Nano Letters, 2017, 17, 2945-2952.	9.1	118
18	Efficient Second-Harmonic Generation in Nanocrystalline Silicon Nanoparticles. Nano Letters, 2017, 17, 3047-3053.	9.1	150

#	ARTICLE	IF	CITATIONS
19	Gap size impact on metal-dielectric nanocavity heater properties. AIP Conference Proceedings, 2017, , .	0.4	0
20	Resonant optical properties of crystalline silicon nanoparticles fabricated by laser ablation-based methods. AIP Conference Proceedings, 2017, , .	0.4	0
21	Temperature-feedback direct laser reshaping of silicon nanostructures. Applied Physics Letters, 2017, 111, .	3.3	35
22	Coating of Au nanoparticle by Si shell for enhanced local heating. Journal of Physics: Conference Series, 2017, 929, 012072.	0.4	2
23	Anomalous stress-strain behaviour in Ni ₄₉ Fe ₁₈ Ga ₂₇ Co ₆ crystals compressed along [110]. Materials Today: Proceedings, 2017, 4, 4807-4813.	1.8	6
24	Metal-dielectric nanocavity as a versatile optical sensing platform. , 2017, , .		0
25	Control of luminescence in resonant nanodiamonds with NV-centers. , 2017, , .		0
26	2D thermal map calculation and experimental study for optical heating of resonant non-plasmonic nanoparticles. , 2017, , .		0
27	Nanoscale optical high-temperature sensor. , 2017, , .		0
28	Highly efficient optical heating of non-plasmonic nananoparticles. , 2017, , .		0
29	Multifunctional sensing with hybrid nanophotonic structures. , 2017, , .		0
30	Zero phonon line enhancement by Mie-type resonances of nanodiamonds with nitrogen-vacancy centers. , 2017, , .		0
31	Hybrid nanocavity for molecular sensing. , 2017, , .		0
32	Nanocrystalline resonant silicon nanoparticle for highly efficient second harmonic generation. , 2017, , .		0
33	Laser printing of Au/Si core-shell nanoparticles. Journal of Physics: Conference Series, 2016, 741, 012119.	0.4	4
34	Influence of partial shape memory deformation on the burst character of its recovery in heated Niâ€“Feâ€“Gaâ€“Co alloy crystals. Technical Physics Letters, 2016, 42, 399-402.	0.7	23
35	Modeling of formation mechanism and optical properties of Si/Au core-shell nanoparticles. , 2016, , .		3