Urcan Guler

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6610239/publications.pdf

Version: 2024-02-01

37 papers	3,377 citations	279701 23 h-index	526166 27 g-index
38 all docs	38 docs citations	38 times ranked	4162 citing authors

#	Article	IF	Citations
1	Remote Sensing of High Temperatures with Refractory, Direct-Contact Optical Metacavity. ACS Photonics, 2020, 7, 472-479.	3.2	11
2	Photonic Spin Hall Effect in Robust Phase Gradient Metasurfaces Utilizing Transition Metal Nitrides. ACS Photonics, 2019, 6, 99-106.	3.2	35
3	Roadmap on plasmonics. Journal of Optics (United Kingdom), 2018, 20, 043001.	1.0	240
4	Plasmonic Biomimetic Nanocomposite with Spontaneous Subwavelength Structuring as Broadband Absorbers. ACS Energy Letters, 2018, 3, 1578-1583.	8.8	29
5	Plasmonic Titanium Nitride Nanostructures via Nitridation of Nanopatterned Titanium Dioxide. Advanced Optical Materials, 2017, 5, 1600717.	3.6	42
6	Broadband Hotâ€Electron Collection for Solar Water Splitting with Plasmonic Titanium Nitride. Advanced Optical Materials, 2017, 5, 1601031.	3.6	248
7	Temperature-Dependent Optical Properties of Single Crystalline and Polycrystalline Silver Thin Films. ACS Photonics, 2017, 4, 1083-1091.	3.2	60
8	Plasmonics: Plasmonic Titanium Nitride Nanostructures via Nitridation of Nanopatterned Titanium Dioxide (Advanced Optical Materials 7/2017). Advanced Optical Materials, 2017, 5, .	3.6	0
9	Pancharatnamâ€“Berry Phase Manipulating Metasurface for Visible Color Hologram Based on Low Loss Silver Thin Film. Advanced Optical Materials, 2017, 5, 1700196.	3.6	58
10	Temperature-Dependent Optical Properties of Plasmonic Titanium Nitride Thin Films. ACS Photonics, 2017, 4, 1413-1420.	3.2	143
11	High temperature efficient, stable Si wafer-based selective solar absorbers. Applied Physics Letters, 2017, 110, .	1.5	12
12	Solarâ€Energy Harvesting: Broadband Hotâ€Electron Collection for Solar Water Splitting with Plasmonic Titanium Nitride (Advanced Optical Materials 15/2017). Advanced Optical Materials, 2017, 5, .	3.6	2
13	Broadband hot electron generation for solar energy conversion with plasmonic titanium nitride. , 2017, , .		1
14	Electron energy loss spectroscopy of plasmon resonances in titanium nitride thin films. Applied Physics Letters, 2016, 108, .	1.5	15
15	Solar-Powered Plasmon-Enhanced Heterogeneous Catalysis. Nanophotonics, 2016, 5, 112-133.	2.9	102
16	Temperature-dependent optical properties of gold thin films. Optical Materials Express, 2016, 6, 2776.	1.6	141
17	Optical properties of gold thin films at elevated temperatures. , 2016, , .		0
18	Colloidal Plasmonic Titanium Nitride Nanoparticles: Properties and Applications. Nanophotonics, 2015, 4, 269-276.	2.9	100

#	ARTICLE	IF	CITATIONS
19	Valence-loss EELS Spectroscopy of Refractory Plasmonic Nanomaterials. Microscopy and Microanalysis, 2015, 21, 1901-1902.	0.2	0
20	Quasi-coherent thermal emitter based on refractory plasmonic materials. Optical Materials Express, 2015, 5, 2721.	1.6	64
21	Nanoparticle plasmonics: going practical with transition metal nitrides. Materials Today, 2015, 18, 227-237.	8.3	318
22	Plasmonics on the slope of enlightenment: the role of transition metal nitrides. Faraday Discussions, 2015, 178, 71-86.	1.6	92
23	Titanium Nitride as a Refractory Plasmonic Material for High Temperature Applications. , 2014, , .		1
24	Refractory Plasmonics with Titanium Nitride: Broadband Metamaterial Absorber. Advanced Materials, 2014, 26, 7959-7965.	11.1	603
25	High-temperature plasmonic thermal emitter for thermo-photovotaics. , 2014, , .		1
26	Titanium nitride nanoparticles for therapeutic applications. , 2014, , .		0
27	Refractory Plasmonics. Science, 2014, 344, 263-264.	6.0	337
28	Photothermal Heating Enabled by Plasmonic Nanostructures for Electrokinetic Manipulation and Sorting of Particles. ACS Nano, 2014, 8, 9035-9043.	7.3	73
29	Unidirectional Spaser in Symmetry-Broken Plasmonic Core-Shell Nanocavity. Scientific Reports, 2013, 3, 1241.	1.6	55
30	Local Heating with Lithographically Fabricated Plasmonic Titanium Nitride Nanoparticles. Nano Letters, 2013, 13, 6078-6083.	4.5	253
31	Local heating with titanium nitride nanoparticles. , 2013, , .		2
32	Plasmonic Resonances in Nanostructured Transparent Conducting Oxide Films. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 4601907-4601907.	1.9	87
33	Metal Nitrides for Plasmonic Applications. , 2012, , .		2
34	Performance analysis of nitride alternative plasmonic materials for localized surface plasmon applications. Applied Physics B: Lasers and Optics, 2012, 107, 285-291.	1.1	132
35	Nitrides as alternative materials for localized surface plasmon applications. , 2012, , .		2
36	Plasmonic Oscillations in Au Nano-rods Fabricated by Electron Beam Lithography. Materials Research Society Symposia Proceedings, 2010, 1248, 810.	0.1	0

#	ARTICLE	IF	CITATIONS
37	Effect of particle properties and light polarization on the plasmonic resonances in metallic nanoparticles. Optics Express, 2010, 18, 17322.	1.7	83