

Urcan Guler

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

3,377
citations

279487

23
h-index

525886

27
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38
all docs

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docs citations

38
times ranked

4162
citing authors

#	ARTICLE	IF	CITATIONS
1	Refractory Plasmonics with Titanium Nitride: Broadband Metamaterial Absorber. <i>Advanced Materials</i> , 2014, 26, 7959-7965.	11.1	603
2	Refractory Plasmonics. <i>Science</i> , 2014, 344, 263-264.	6.0	337
3	Nanoparticle plasmonics: going practical with transition metal nitrides. <i>Materials Today</i> , 2015, 18, 227-237.	8.3	318
4	Local Heating with Lithographically Fabricated Plasmonic Titanium Nitride Nanoparticles. <i>Nano Letters</i> , 2013, 13, 6078-6083.	4.5	253
5	Broadband Hot-Electron Collection for Solar Water Splitting with Plasmonic Titanium Nitride. <i>Advanced Optical Materials</i> , 2017, 5, 1601031.	3.6	248
6	Roadmap on plasmonics. <i>Journal of Optics (United Kingdom)</i> , 2018, 20, 043001.	1.0	240
7	Temperature-Dependent Optical Properties of Plasmonic Titanium Nitride Thin Films. <i>ACS Photonics</i> , 2017, 4, 1413-1420.	3.2	143
8	Temperature-dependent optical properties of gold thin films. <i>Optical Materials Express</i> , 2016, 6, 2776.	1.6	141
9	Performance analysis of nitride alternative plasmonic materials for localized surface plasmon applications. <i>Applied Physics B: Lasers and Optics</i> , 2012, 107, 285-291.	1.1	132
10	Solar-Powered Plasmon-Enhanced Heterogeneous Catalysis. <i>Nanophotonics</i> , 2016, 5, 112-133.	2.9	102
11	Colloidal Plasmonic Titanium Nitride Nanoparticles: Properties and Applications. <i>Nanophotonics</i> , 2015, 4, 269-276.	2.9	100
12	Plasmonics on the slope of enlightenment: the role of transition metal nitrides. <i>Faraday Discussions</i> , 2015, 178, 71-86.	1.6	92
13	Plasmonic Resonances in Nanostructured Transparent Conducting Oxide Films. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2013, 19, 4601907-4601907.	1.9	87
14	Effect of particle properties and light polarization on the plasmonic resonances in metallic nanoparticles. <i>Optics Express</i> , 2010, 18, 17322.	1.7	83
15	Photothermal Heating Enabled by Plasmonic Nanostructures for Electrokinetic Manipulation and Sorting of Particles. <i>ACS Nano</i> , 2014, 8, 9035-9043.	7.3	73
16	Quasi-coherent thermal emitter based on refractory plasmonic materials. <i>Optical Materials Express</i> , 2015, 5, 2721.	1.6	64
17	Temperature-Dependent Optical Properties of Single Crystalline and Polycrystalline Silver Thin Films. <i>ACS Photonics</i> , 2017, 4, 1083-1091.	3.2	60
18	Pancharatnam-Berry Phase Manipulating Metasurface for Visible Color Hologram Based on Low Loss Silver Thin Film. <i>Advanced Optical Materials</i> , 2017, 5, 1700196.	3.6	58

#	ARTICLE	IF	CITATIONS
19	Unidirectional Spaser in Symmetry-Broken Plasmonic Core-Shell Nanocavity. Scientific Reports, 2013, 3, 1241.	1.6	55
20	Plasmonic Titanium Nitride Nanostructures via Nitridation of Nanopatterned Titanium Dioxide. Advanced Optical Materials, 2017, 5, 1600717.	3.6	42
21	Photonic Spin Hall Effect in Robust Phase Gradient Metasurfaces Utilizing Transition Metal Nitrides. ACS Photonics, 2019, 6, 99-106.	3.2	35
22	Plasmonic Biomimetic Nanocomposite with Spontaneous Subwavelength Structuring as Broadband Absorbers. ACS Energy Letters, 2018, 3, 1578-1583.	8.8	29
23	Electron energy loss spectroscopy of plasmon resonances in titanium nitride thin films. Applied Physics Letters, 2016, 108, .	1.5	15
24	High temperature efficient, stable Si wafer-based selective solar absorbers. Applied Physics Letters, 2017, 110, .	1.5	12
25	Remote Sensing of High Temperatures with Refractory, Direct-Contact Optical Metacavity. ACS Photonics, 2020, 7, 472-479.	3.2	11
26	Metal Nitrides for Plasmonic Applications. , 2012, , .		2
27	Local heating with titanium nitride nanoparticles. , 2013, , .		2
28	Solar Energy Harvesting: Broadband Hot Electron Collection for Solar Water Splitting with Plasmonic Titanium Nitride (Advanced Optical Materials 15/2017). Advanced Optical Materials, 2017, 5, .	3.6	2
29	Nitrides as alternative materials for localized surface plasmon applications. , 2012, , .		2
30	Titanium Nitride as a Refractory Plasmonic Material for High Temperature Applications. , 2014, , .		1
31	High-temperature plasmonic thermal emitter for thermo-photovoltaics. , 2014, , .		1
32	Broadband hot electron generation for solar energy conversion with plasmonic titanium nitride. , 2017, , .		1
33	Plasmonic Oscillations in Au Nano-rods Fabricated by Electron Beam Lithography. Materials Research Society Symposia Proceedings, 2010, 1248, 810.	0.1	0
34	Titanium nitride nanoparticles for therapeutic applications. , 2014, , .		0
35	Valence-loss EELS Spectroscopy of Refractory Plasmonic Nanomaterials. Microscopy and Microanalysis, 2015, 21, 1901-1902.	0.2	0
36	Plasmonics: Plasmonic Titanium Nitride Nanostructures via Nitridation of Nanopatterned Titanium Dioxide (Advanced Optical Materials 7/2017). Advanced Optical Materials, 2017, 5, .	3.6	0

#	ARTICLE	IF	CITATIONS
37	Optical properties of gold thin films at elevated temperatures. , 2016, , .		0