

Hiroki Gonome

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

272
citations

1307594

7
h-index

940533

16
g-index

26
all docs

26
docs citations

26
times ranked

208
citing authors

#	ARTICLE	IF	CITATIONS
1	Absorption characteristics of nanoparticles with sharp edges for a direct-absorption solar collector. <i>Renewable Energy</i> , 2020, 145, 21-28.	8.9	63
2	Controlling the radiative properties of cool black-color coatings pigmented with CuO submicron particles. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014, 132, 90-98.	2.3	53
3	The effect of particles size distribution on aesthetic and thermal performances of polydisperse TiO ₂ pigmented coatings: Comparison between numerical and experimental results. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2012, 113, 594-606.	2.3	39
4	Wide-range spectral measurement of radiative properties of commercial greenhouse covering plastics and their impacts into the energy management in a greenhouse. <i>Energy</i> , 2020, 210, 118535.	8.8	22
5	Artificial chameleon skin that controls spectral radiation: Development of Chameleon Cool Coating (C3). <i>Scientific Reports</i> , 2018, 8, 1196.	3.3	17
6	Control of thermal barrier performance by optimized nanoparticle size and experimental evaluation using a solar simulator. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014, 149, 81-89.	2.3	14
7	Protection from thermal radiation of hazardous fires: Optimizing microscale droplet size in mist barriers using radiative transfer analysis. <i>Chemical Engineering Research and Design</i> , 2020, 143, 114-120.	5.6	14
8	Experimental evaluation of optimization method for developing ultraviolet barrier coatings. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014, 133, 454-463.	2.3	6
9	Radiative transfer analysis of the effect of ink dot area on color phase in inkjet printing. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 194, 17-23.	2.3	6
10	Optical simulation for radiative absorption of plasmonic nanoparticles using metal-insulator-magnetic structure for solar energy applications. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	5
11	Interference effect of localized surface plasmon resonance on radiative properties of plasmonic particle clusters in 3D assemblies. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 230, 13-23.	2.3	4
12	Solar barrier performance of water mist cooling: Applications using nano- and microsized droplets and bubbles. <i>Applied Thermal Engineering</i> , 2020, 171, 115083.	6.0	3
13	A local rapid temperature rise model for analyzing the effects of irradiation on human skin in laser treatments. <i>International Journal of Heat and Mass Transfer</i> , 2021, 171, 121078.	4.8	3
14	Optical characteristics of human skin with hyperpigmentation caused by fluorinated pyrimidine anticancer agent. <i>Biomedical Optics Express</i> , 2019, 10, 3747.	2.9	3
15	Demonstration of laser biospeckle method for speedy in vivo evaluation of plant-sound interactions with arugula. <i>PLoS ONE</i> , 2021, 16, e0258973.	2.5	3
16	Optical Properties of Pickering Emulsions and Foams. <i>Langmuir</i> , 2022, 38, 1440-1447.	3.5	3
17	The Effect of Dispersed State to Control of Radiative Properties of Coatings Pigmented with Nanoparticles. <i>Journal of Thermal Science and Technology</i> , 2012, 7, 364-378.	1.1	2
18	Possibility for controlling global warming by launching nanoparticles into the stratosphere. <i>Journal of Thermal Science and Technology</i> , 2015, 10, JTST0022-JTST0022.	1.1	2

#	ARTICLE	IF	CITATIONS
19	Optimization Method for Developing Spectral Controlling Cosmetics: Application for Thermal Barrier Cosmetic. <i>Coatings</i> , 2018, 8, 286.	2.6	2
20	Effect of soot on thermal radiation shielding performance of water mist. <i>Fire Safety Journal</i> , 2021, 123, 103363.	3.1	2
21	Enhancing Plasmon Excitation of Small Au Nanoparticles via Light Scattering from Metal-Oxide Supports. <i>Journal of Physical Chemistry C</i> , 2022, 126, 9509-9517.	3.1	2
22	Estimation and measurement of permeability inside methane hydrate mimicking porous media. <i>Journal of Fluid Science and Technology</i> , 2016, 11, JFST0031-JFST0031.	0.6	1
23	Radiative properties of scattering media containing directionally controlled nanofibers. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 236, 106580.	2.3	1
24	Lighting system bioinspired by <i>Haworthia obtusa</i> . <i>Scientific Reports</i> , 2020, 10, 11246.	3.3	1
25	Effect of air particle interfusion on radiative transfer in a cosmetic layer. <i>Powder Technology</i> , 2021, 379, 596-601.	4.2	1
26	A simple adaptive difference algorithm with CO ₂ measurements for evaluating plant growth under environmental fluctuations. <i>BMC Research Notes</i> , 2022, 15, 48.	1.4	0