Hiroki Gonome

List of Publications by Year
in descending order

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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	Optical Properties of Pickering Emulsions and Foams. Langmuir, 2022, 38, 1440-1447.	3.5	3
2	A simple adaptive difference algorithm with CO2 measurements for evaluating plant growth under environmental fluctuations. BMC Research Notes, 2022, 15, 48.	1.4	0
3	Enhancing Plasmon Excitation of Small Au Nanoparticles via Light Scattering from Metal-Oxide Supports. Journal of Physical Chemistry C, 2022, 126, 9509-9517.	3.1	2
4	Effect of air particle interfusion on radiative transfer in a cosmetic layer. Powder Technology, 2021, 379, 596-601.	4.2	1
5	A local rapid temperature rise model for analyzing the effects of irradiation on human skin in laser treatments. International Journal of Heat and Mass Transfer, 2021, 171, 121078.	4.8	3
6	Effect of soot on thermal radiation shielding performance of water mist. Fire Safety Journal, 2021, 123, 103363.	3.1	2
7	Optical simulation for radiative absorption of plasmonic nanoparticles using metalâ€“insulatorâ€“magnetic structure for solar energy applications. Applied Physics Letters, 2021, 119, .	3.3	5
8	Demonstration of laser biospeckle method for speedy in vivo evaluation of plant-sound interactions with arugula. PLoS ONE, 2021, 16, e0258973.	2.5	3
9	Absorption characteristics of nanoparticles with sharp edges for a direct-absorption solar collector. Renewable Energy, 2020, 145, 21-28.	8.9	63
10	Protection from thermal radiation of hazardous fires: Optimizing microscale droplet size in mist barriers using radiative transfer analysis. Chemical Engineering Research and Design, 2020, 143, 114-120.	5.6	14
11	Solar barrier performance of water mist cooling: Applications using nano- and microsized droplets and bubbles. Applied Thermal Engineering, 2020, 171, 115083.	6.0	3
12	Wide-range spectral measurement of radiative properties of commercial greenhouse covering plastics and their impacts into the energy management in a greenhouse. Energy, 2020, 210, 118535.	8.8	22
13	Lighting system bioinspired by Haworthia obtusa. Scientific Reports, 2020, 10, 11246.	3.3	1
14	Radiative properties of scattering media containing directionally controlled nanofibers. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 236, 106580.	2.3	1
15	Interference effect of localized surface plasmon resonance on radiative properties of plasmonic particle clusters in 3D assemblies. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 230, 13-23.	2.3	4
16	Optical characteristics of human skin with hyperpigmentation caused by fluorinated pyrimidine anticancer agent. Biomedical Optics Express, 2019, 10, 3747.	2.9	3
17	Artificial chameleon skin that controls spectral radiation: Development of Chameleon Cool Coating (C3). Scientific Reports, 2018, 8, 1196.	3.3	17
18	Optimization Method for Developing Spectral Controlling Cosmetics: Application for Thermal Barrier Cosmetic. Coatings, 2018, 8, 286.	2.6	2

#	Article	IF	Citations
19	Radiative transfer analysis of the effect of ink dot area on color phase in inkjet printing. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 194, 17-23.	2.3	6
20	Estimation and measurement of permeability inside methane hydrate mimicking porous media. Journal of Fluid Science and Technology, 2016, 11, JFST0031-JFST0031.	0.6	1
21	Possibility for controlling global warming by launching nanoparticles into the stratosphere. Journal of Thermal Science and Technology, 2015, 10, JTST0022-JTST0022.	1.1	2
22	Controlling the radiative properties of cool black-color coatings pigmented with CuO submicron particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 132, 90-98.	2.3	53
23	Control of thermal barrier performance by optimized nanoparticle size and experimental evaluation using a solar simulator. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 149, 81-89.	2.3	14
24	Experimental evaluation of optimization method for developing ultraviolet barrier coatings. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 133, 454-463.	2.3	6
25	The Effect of Dispersed State to Control of Radiative Properties of Coatings Pigmented with Nanoparticles. Journal of Thermal Science and Technology, 2012, 7, 364-378.	1.1	2
26	The effect of particles size distribution on aesthetic and thermal performances of polydisperse TiO2 pigmented coatings: Comparison between numerical and experimental results. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 594-606.	2.3	39