

Hao Zhang

List of Publications by Year in descending order

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30
papers

1,224
citations

471509

17
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

1357
citing authors

#	ARTICLE	IF	CITATIONS
1	Raman characterization of aligned carbon nanotubes produced by thermal decomposition of hydrocarbon vapor. <i>Applied Physics Letters</i> , 1997, 70, 2684-2686.	3.3	337
2	A young multilayered terrane of the northern Mare Imbrium revealed by Chang'E-3 mission. <i>Science</i> , 2015, 347, 1226-1229.	12.6	194
3	Evaluation of sun glint models using MODIS measurements. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2010, 111, 492-506.	2.3	104
4	Crystal Structure and Thermal Decomposition Studies of Barium Borophosphate, BaBPO5. <i>Journal of Solid State Chemistry</i> , 1998, 135, 43-51.	2.9	57
5	Instrument to measure the bidirectional reflectance distribution function of surfaces. <i>Applied Optics</i> , 2000, 39, 6197.	2.1	47
6	Mineral Abundances Inferred From In Situ Reflectance Measurements of Chang'E-3 Landing Site in South Pole-Aitken Basin. <i>Geophysical Research Letters</i> , 2019, 46, 9439-9447.	4.0	47
7	Effects of optically shallow bottoms on upwelling radiances: Bidirectional reflectance distribution function effects. <i>Limnology and Oceanography</i> , 2003, 48, 337-345.	3.1	46
8	In situ optical measurements of Chang'E-3 landing site in Mare Imbrium: 2. Photometric properties of the regolith. <i>Geophysical Research Letters</i> , 2015, 42, 8312-8319.	4.0	33
9	Infrared spectra of nanometre granular zirconia. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 2035-2042.	1.8	31
10	Bidirectional reflectance study on dry, wet, and submerged particulate layers: effects of pore liquid refractive index and translucent particle concentrations. <i>Applied Optics</i> , 2006, 45, 8753.	2.1	30
11	X-Ray Powder Diffraction and Vibrational Spectra Studies of Rare Earth Borophosphates, $\text{Ln}_7\text{O}_6(\text{BO}_3)(\text{PO}_4)_2$ (Ln=La, Nd, Gd, and Dy). <i>Journal of Solid State Chemistry</i> , 1997, 129, 45-52.	2.9	29
12	Comparisons of bidirectional reflectance distribution function measurements on prepared particulate surfaces and radiative-transfer models. <i>Applied Optics</i> , 2005, 44, 597.	2.1	28
13	In situ optical measurements of Chang'E-3 landing site in Mare Imbrium: 1. Mineral abundances inferred from spectral reflectance. <i>Geophysical Research Letters</i> , 2015, 42, 6945-6950.	4.0	28
14	Bidirectional reflectance measurements of sediments in the vicinity of Lee Stocking Island, Bahamas. <i>Limnology and Oceanography</i> , 2003, 48, 380-389.	3.1	26
15	Bidirectional reflectance of dry and submerged Labsphere Spectralon plaque. <i>Applied Optics</i> , 2006, 45, 7924.	2.1	25
16	Phase Functions of Typical Lunar Surface Minerals Derived for the Hapke Model and Implications for Visible to Near-Infrared Spectral Unmixing. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 31-60.	3.6	22
17	Crystal structure and vibrational spectra studies of stillwellite compounds NdBSiO_5 . <i>Journal of Alloys and Compounds</i> , 1997, 259, 163-169.	5.5	17
18	Fourier transform infrared characterization of nanometre. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 11121-11127.	1.8	17

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19	Structural characteristics of CeO ₂ films grown on biaxially textured nickel (001). Journal of Applied Physics, 1998, 84, 1994-1997.	2.5	14
20	Bidirectional reflectance and polarization measurements on packed surfaces of benthic sediments and spherical particles. Optics Express, 2009, 17, 5217.	3.4	13
21	A plagioclase-rich rock measured by Yutu-2 Rover in Von K�rm�n crater on the far side of the Moon. Icarus, 2020, 350, 113901.	2.5	13
22	On Hapke photometric model predictions on reflectance of closely packed particulate surfaces. Icarus, 2011, 215, 27-33.	2.5	12
23	Optical spectroscopic characterizations of laser irradiated olivine grains. Astronomy and Astrophysics, 2017, 597, A50.	5.1	12
24	Determining the influential depth for surface reflectance of sediment by BRDF measurements. Optics Express, 2003, 11, 2654.	3.4	10
25	Effects of Spectralon absorption on reflectance spectra of typical planetary surface analog materials. Optics Express, 2014, 22, 21280.	3.4	10
26	In situ lunar phase curves measured by Chang�ME-4 in the Von K�rm�n Crater, South Pole-Aitken basin. Astronomy and Astrophysics, 2021, 646, A2.	5.1	8
27	Morphology, structure and Raman scattering of carbon nanotubes produced by using mesoporous materials. Science in China Series A: Mathematics, 1997, 40, 971-977.	0.5	5
28	Bi-directional reflectance study on particulate layers: Effects of pore liquid absorption coefficient. Journal of Quantitative Spectroscopy and Radiative Transfer, 2007, 105, 405-413.	2.3	4
29	A non-motorized spectro-goniometric system to measure the bi-directional reflectance spectra of particulate surfaces in the visible and near-infrared. Review of Scientific Instruments, 2022, 93, 024504.	1.3	4
30	Optical spectroscopic characterizations of laser irradiated olivine grains <i>(Corrigendum)</i>. Astronomy and Astrophysics, 2021, 646, C1.	5.1	1