

# Youlin Gu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1988002/publications.pdf>

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18  
papers

122  
citations

1163117

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1281871

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18  
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times ranked

22  
citing authors

#	ARTICLE	IF	CITATIONS
1	Significant broadband extinction abilities of bioaerosols. <i>Science China Materials</i> , 2019, 62, 1033-1045.	6.3	18
2	Discrimination of viable and dead microbial materials with Fourier transform infrared spectroscopy in 3â€“5 micrometers. <i>Optics Express</i> , 2018, 26, 15842.	3.4	15
3	A comparison of infrared extinction performances of bioaerosols and traditional smoke materials. <i>Optik</i> , 2019, 181, 293-300.	2.9	14
4	Infrared Extinction Performance of Randomly Oriented Microbial-Clustered Agglomerate Materials. <i>Applied Spectroscopy</i> , 2017, 71, 2555-2562.	2.2	13
5	Electromagnetic Attenuation Characteristics of Microbial Materials in the Infrared Band. <i>Applied Spectroscopy</i> , 2016, 70, 1456-1463.	2.2	12
6	Aggregation-driven reductions in the mass extinction coefficient of bioaerosols. <i>Optik</i> , 2019, 184, 115-120.	2.9	11
7	Determination of infrared complex refractive index of microbial materials. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 217, 305-314.	2.3	10
8	Analysis of optical properties of bio-smoke materials in the 0.25â€“14 $\mu$ m band. <i>Chinese Physics B</i> , 2019, 28, 034201.	1.4	8
9	Effects of relative humidity on the broadband extinction performance of bioaerosol. <i>Optics Express</i> , 2019, 27, 23801.	3.4	7
10	Combined analysis of static and dynamic extinction characteristics of microbial spores and mycelia as a mid-infrared extinction material. <i>Optik</i> , 2019, 176, 535-541.	2.9	6
11	Analysis of factors affecting the broadband extinction performance of bioaerosol. <i>Optik</i> , 2020, 201, 163527.	2.9	3
12	The infrared spectral transmittance of <i>Aspergillus niger</i> spore aggregated particle swarm. <i>Proceedings of SPIE</i> , 2015, , .	0.8	2
13	The Study of Moving Target Detection Algorithm Based on Wind Field Detected by Lidar. , 2010, , .		1
14	Measurement and analysis on optical characteristics of <i>Aspergillus oryzae</i> spores in infrared band. <i>Proceedings of SPIE</i> , 2015, , .	0.8	1
15	Comparison of two agglomerated particle simulation models for extinction performance calculation of bioaerosol. , 2019, , .		1
16	Conformation and dynamics of discrete poly(ethylene glycol) chains in nano-scale-thickness solution next to a gold substrate. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127419.	7.8	0
17	Influences of artificial biological particles structures on far-infrared extinction performance. , 2017, , .		0
18	The effect of water content of microbial material on the extinction performance of infrared band. , 2018, , .		0