

# Samuel D Butler

## List of Publications by Year in descending order

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16  
papers

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citations

1684188

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1474206

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16  
docs citations

16  
times ranked

42  
citing authors

#	ARTICLE	IF	CITATIONS
1	Utilization and efficient computation of polarization factor Q for fast, accurate BRDF modeling. Optics Express, 2022, 30, 5803.	3.4	0
2	Scatter coordinate mapping and out-of-plane BRDF measurements for specular materials using an augmented CASIA® measurement system. , 2021, , .		2
3	Solar cell BRDF measurement and modeling with out-of-plane data. Optics Express, 2021, 29, 35501.	3.4	3
4	Uncertainty analysis for CCD-augmented CASIA® BRDF measurement system. Optical Engineering, 2021, 60, .	1.0	5
5	Augmenting CASIA® BRDF measurement device to measure out-of-plane scatter with CCD pixel array. , 2020, , .		3
6	Experimental Determination of Glass Bead Retroreflectivity for Aircraft Geometries. , 2019, , .		0
7	Improved grazing angle bidirectional reflectance distribution function model using Rayleigh-Rice polarization factor and adaptive microfacet distribution function. Optical Engineering, 2018, 57, 1.	1.0	6
8	Experimentally validated modification to Cook-Torrance BRDF model for improved accuracy. , 2017, , .		4
9	Wave optics simulation of statistically rough surface scatter. , 2017, , .		1
10	Analysis of wave optics BRDF model elements for a moderately rough surface. Proceedings of SPIE, 2016, , .	0.8	1
11	A novel image-based BRDF measurement system and its application to human skin. , 2016, , .		0
12	Comparison of microfacet BRDF model to modified Beckmann-Kirchhoff BRDF model for rough and smooth surfaces. Optics Express, 2015, 23, 29100.	3.4	36
13	Experimental measurement and analysis of wavelength-dependent properties of the BRDF. Proceedings of SPIE, 2015, , .	0.8	3
14	Experimental analysis of bidirectional reflectance distribution function cross section conversion term in direction cosine space. Optics Letters, 2015, 40, 2445.	3.3	9
15	Comparison of microfacet BRDF model elements to diffraction BRDF model elements. Proceedings of SPIE, 2015, , .	0.8	4
16	Robust categorization of microfacet BRDF models to enable flexible application-specific BRDF adaptation. Proceedings of SPIE, 2014, , .	0.8	8