

Samuel D Butler

List of Publications by Year in descending order

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