

Hiroshi Shitomi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Absolute Asymmetric Photoreactions of Aliphatic Amino Acids by Circularly Polarized Synchrotron Radiation: A Critically pH-Dependent Photobehavior. <i>Journal of the American Chemical Society</i> , 2002, 124, 11618-11627.	13.7	90
2	Nonresonant ionization detected IR spectroscopy for the vibrational study in a supersonic jet. <i>Chemical Physics Letters</i> , 1996, 252, 287-293.	2.6	78
3	Mechanism of pH-Dependent Photolysis of Aliphatic Amino Acids and Enantiomeric Enrichment of Racemic Leucine by Circularly Polarized Light. <i>Organic Letters</i> , 2001, 3, 921-924.	4.6	60
4	Nonresonant ionization detected IR spectrum of jet-cooled phenol. Ionization mechanism and its application to overtone spectroscopy. <i>Chemical Physics Letters</i> , 1998, 283, 243-250.	2.6	58
5	Perfect blackbody sheets from nano-precision microtextured elastomers for light and thermal radiation management. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5418-5425.	5.5	36
6	Fabrication of hard-coated optical absorbers with microstructured surfaces using etched ion tracks: Toward broadband ultra-low reflectance. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 356-357, 154-159.	1.4	11
7	Development of a new integrating sphere with uniform reflectance for absolute diffuse reflectance measurements. <i>Metrologia</i> , 2003, 40, S185-S188.	1.2	8
8	Synchronous enantiomeric enrichment of both reactant and product by absolute asymmetric synthesis using circularly polarized light. Part 3. Numerical simulation and experimental verification of the reversible asymmetric photoisomerization between methyl norbornadiene-2-carboxylate and methyl quadricyclane-1-carboxylate. <i>Perkin Transactions II RSC</i> , 2001, , 1706-1713.	1.1	7
9	Experimental validation of nonlinearity suppression for an inverse-layer-type silicon photodiode and its prediction based on theoretical modeling. <i>Applied Optics</i> , 2017, 56, 5804.	1.8	7
10	Optically Controlled Alignment of Liquid Crystal on Polyimide Films Exposed to Undulator Radiation. <i>Japanese Journal of Applied Physics</i> , 1999, 38, 176.	1.5	7
11	Photoluminescence from white reference materials for spectral diffuse reflectance measurements upon exposure to radiation shorter than 400 nm. <i>Metrologia</i> , 2006, 43, S36-S40.	1.2	6
12	A new absolute diffuse reflectance measurement in the near-IR region based on the modified double-sphere method. <i>Metrologia</i> , 2009, 46, S186-S190.	1.2	6
13	Characterization of predictable quantum efficient detector in terms of optical non-linearity in the visible to near-infrared range. <i>Metrologia</i> , 2021, 58, 055012.	1.2	3
14	Large-Area Perfect Blackbody Sheets from Nano-Precision Microtextured Elastomers. , 2019, , .		0