

William P Baker

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

246
citations

1684188

5
h-index

1474206

9
g-index

11
all docs

11
docs citations

11
times ranked

174
citing authors

#	ARTICLE	IF	CITATIONS
1	Kelvin-Voigt versus fractional derivative model as constitutive relations for viscoelastic materials. AIAA Journal, 1995, 33, 547-550.	2.6	120
2	Acoustic scattering by baffled cavity-backed membranes. Journal of the Acoustical Society of America, 1988, 83, 423-432.	1.1	36
3	Photothermal spectroscopy using multilayer cantilever for chemical detection. Applied Physics Letters, 2000, 76, 1122-1124.	3.3	29
4	Nondestructive electromagnetic material characterization using a dual waveguide probe: A full wave solution. Radio Science, 2009, 44, .	1.6	25
5	Viscoelastic material response with a fractional-derivative constitutive model. AIAA Journal, 1996, 34, 596-600.	2.6	14
6	Low-order actuator influence functions for piezoelectric in-plane actuated tensioned circular deformable mirrors. , 2006, , .		8
7	Engineering Approach for the Evaluation of Mechanical Wear Considering the Experimental Holloman High-Speed Test Track. Journal of Engineering Mechanics - ASCE, 2012, 138, 1127-1140.	2.9	7
8	Thermal Diffusion and Associated Stress Field due to High Speed Source. Journal of Aerospace Engineering, 2002, 15, 118-124.	1.4	3
9	Scaling Analyses for Large-Scale Space-Based Membrane Optics. AIAA Journal, 2011, 49, 1313-1323.	2.6	3
10	Pulse scattering by baffled cavity-backed membranes. Journal of the Acoustical Society of America, 1988, 83, 433-440.	1.1	1
11	Photothermal spectroscopy based on a multilayer reed probe for chemical detection. , 2000, , .		0