

P R Bingham

List of Publications by Year in descending order

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33
papers

351
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1478280

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940416

16
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37
all docs

37
docs citations

37
times ranked

372
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative phase imaging by three-wavelength digital holography. Optics Express, 2008, 16, 9753.	1.7	165
2	Spontaneous imbibition of water and determination of effective contact angles in the Eagle Ford Shale Formation using neutron imaging. Journal of Earth Science (Wuhan, China), 2017, 28, 874-887.	1.1	32
3	Improving resolution in microscopic holography by computationally fusing multiple, obliquely illuminated object waves in the Fourier domain. Applied Optics, 2007, 46, 827.	2.1	28
4	Fragmentation of copper current collectors in Li-ion batteries during spherical indentation. Journal of Power Sources, 2017, 364, 432-436.	4.0	21
5	Dual modality live cell imaging with multiple-wavelength digital holography and epi-fluorescence. 3D Research, 2011, 2, 1.	1.8	12
6	Single crystal to polycrystal neutron transmission simulation. Review of Scientific Instruments, 2018, 89, 025103.	0.6	12
7	<title>Direct to digital holography for semiconductor wafer defect detection and review</title> . , 2002, 4692, 180.		10
8	Estimating cross-section semiconductor structure by comparing top-down SEM images. , 2003, , .		7
9	Sidewall structure estimation from CD-SEM for lithographic process control. , 2003, , .		7
10	Coded source neutron imaging. , 2011, , .		6
11	Non-uniform contrast and noise correction for coded source neutron imaging. Proceedings of SPIE, 2012, , .	0.8	5
12	Magnified Neutron Radiography with Coded Sources. Physics Procedia, 2015, 69, 218-226.	1.2	5
13	Mathematics of Neutron Imaging. Neutron Scattering Applications and Techniques, 2009, , 109-127.	0.2	5
14	Coded source neutron imaging at the PULSTAR reactor. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 606-609.	0.7	4
15	Neutron Radiography of Fluid Flow for Geothermal Energy Research. Physics Procedia, 2015, 69, 464-471.	1.2	4
16	Preliminary results for mask metrology using spatial heterodyne interferometry. , 2003, 5256, 1331.		3
17	Semiconductor sidewall shape estimation. Journal of Electronic Imaging, 2004, 13, 474.	0.5	3
18	Investigation of coded source neutron imaging at the north carolina state university PULSTAR reactor. , 2009, , .		3

#	ARTICLE	IF	CITATIONS
19	Magnified neutron radiography with coded sources. Proceedings of SPIE, 2014, , .	0.8	3
20	A high-pressure flow through test vessel for neutron imaging and neutron diffraction-based strain measurement of geological materials. Review of Scientific Instruments, 2020, 91, 084502.	0.6	3
21	<title>Optical Spatial Heterodyned Interferometry for Applications in Semiconductor Inspection and Metrology</title>. , 2006, , .		2
22	Automatic firearm class identification from cartridge cases. Proceedings of SPIE, 2011, , .	0.8	2
23	Iterative Reconstruction of Coded Source Neutron Radiographs. IEEE Transactions on Nuclear Science, 2013, 60, 1624-1631.	1.2	2
24	Neutron imaging with coded sources: design pitfalls and the implementation of a simultaneous iterative reconstruction technique. , 2013, , .		2
25	Spatial heterodyne interferometry techniques and applications in semiconductor wafer manufacturing. , 2004, , .		1
26	Phase defect detection with spatial heterodyne interferometry. , 2004, , .		1
27	Optical spatial heterodyned interferometry for inspection of microelectromechanical systems. , 2007, , .		1
28	Neutron imaging for geothermal energy systems. , 2013, , .		1
29	Detection of cavitation pits on steel surfaces using SEM imagery. , 2003, , .		0
30	Semiconductor sidewall shape estimation using top-down CD-SEM image retrieval. , 2003, , .		0
31	Iterative reconstruction of coded source neutron radiographs. , 2012, , .		0
32	Preprocessing for Unintended Conducted Emissions Classification with ResNet. Applied Sciences (Switzerland), 2021, 11, 8808.	1.3	0
33	Three-Wavelength Phase Imaging Digital Holography of MEMS Motion. , 2008, , .		0