

William A Challener

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,339
citations

759233

12
h-index

940533

16
g-index

18
all docs

18
docs citations

18
times ranked

1244
citing authors

#	ARTICLE	IF	CITATIONS
1	Heat Assisted Magnetic Recording. Proceedings of the IEEE, 2008, 96, 1810-1835.	21.3	893
2	Integrated Heat Assisted Magnetic Recording Head: Design and Recording Demonstration. IEEE Transactions on Magnetics, 2008, 44, 119-124.	2.1	93
3	Light Delivery Techniques for Heat-Assisted Magnetic Recording. Japanese Journal of Applied Physics, 2003, 42, 981-988.	1.5	75
4	Miniature Planar Solid Immersion Mirror with Focused Spot Less Than a Quarter Wavelength. Optics Express, 2005, 13, 7189.	3.4	53
5	Optical Transducers for Near Field Recording. Japanese Journal of Applied Physics, 2006, 45, 6632-6642.	1.5	42
6	Near Field Heat Assisted Magnetic Recording with a Planar Solid Immersion Lens. Japanese Journal of Applied Physics, 2006, 45, 1314-1320.	1.5	37
7	Jones matrix analysis of magneto-optical media and read-back systems. Applied Optics, 1987, 26, 3974.	2.1	35
8	Input-grating couplers for narrow Gaussian beam: influence of groove depth. Optics Express, 2004, 12, 6481.	3.4	20
9	Near-field optical recording using a planar solid immersion mirror. Applied Physics Letters, 2005, 87, 151105.	3.3	20
10	Focusing characteristics of a planar solid-immersion mirror. Applied Optics, 2006, 45, 1785.	2.1	13
11	Refractive indices of reactive magneto-optical thin films. Applied Optics, 1990, 29, 3040.	2.1	12
12	Figures of merit for magneto-optic materials. Journal of Physics and Chemistry of Solids, 1995, 56, 1499-1507.	4.0	12
13	Optical Properties of TbFeCo Films. Japanese Journal of Applied Physics, 1989, 28, 51.	1.5	10
14	Heat assisted magnetic recording with a fully integrated recording head. Proceedings of SPIE, 2007, , .	0.8	6
15	Surface-Plasmon Resonance Characterization of a Near-Field Transducer. IEEE Transactions on Magnetics, 2012, 48, 1801-1806.	2.1	3
16	<title>Figures of merit for recordable optical media</title>. , 1997, , .		1
17	Progress and Prospects in Heat Assisted Magnetic Recording. , 2007, , .		1