

Jeremy C Sit

List of Publications by Year in descending order

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35
papers

836
citations

516710

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642732

23
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36
all docs

36
docs citations

36
times ranked

787
citing authors

#	ARTICLE	IF	CITATIONS
1	Acoustic wave liquid sensors enhanced with glancing angle-deposited thin films. <i>Sensors and Actuators B: Chemical</i> , 2013, 181, 715-719.	7.8	11
2	High sensitivity Love-wave humidity sensors using glancing angle deposited thin films. <i>Sensors and Actuators B: Chemical</i> , 2012, 173, 164-168.	7.8	18
3	On the uniformity of films fabricated by glancing angle deposition. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	11
4	Control of the principal refractive indices in biaxial metal oxide films. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2011, 28, 1830.	1.5	26
5	Numerical simulation and rational design of optically anisotropic columnar films. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
6	The use of ion-milling to control clustering of nanostructured, columnar thin films. <i>Nanotechnology</i> , 2010, 21, 295301.	2.6	11
7	Coupled defects in one-dimensional photonic crystal films fabricated with glancing angle deposition. <i>Optics Express</i> , 2010, 18, 13220.	3.4	18
8	Surface Area Characterization of Obliquely Deposited Metal Oxide Nanostructured Thin Films. <i>Langmuir</i> , 2010, 26, 4368-4376.	3.5	81
9	Various methods used to etch titanium dioxide columnar thin films. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1174, 147.	0.1	0
10	Reactive Ion Etching of Columnar Nanostructured TiO_2 Thin Films for Modified Relative Humidity Sensor Response Time. <i>IEEE Sensors Journal</i> , 2009, 9, 1979-1986.	4.7	30
11	A Birefringent and Transparent Electrical Conductor. <i>Advanced Functional Materials</i> , 2008, 18, 2147-2153.	14.9	38
12	Photoluminescence emission profiles of $\text{Y}_2\text{O}_3:\text{Eu}$ films composed of high-low density stacks produced by glancing angle deposition. <i>Applied Optics</i> , 2008, 47, 2798.	2.1	9
13	Selective transmittance of linearly polarized light in thin films rationally designed by FDTD and FDFD theories and fabricated by glancing angle deposition. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	17
14	Birefringence enhancement in annealed TiO_2 thin films. <i>Journal of Applied Physics</i> , 2007, 102, 013517.	2.5	55
15	Microstructured humidity sensors fabricated by glancing angle deposition: characterization and performance evaluation. , 2007, , .		1
16	Sidelobe suppression in chiral optical filters by apodization of the local form birefringence. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2007, 24, 3140.	1.5	9
17	Thermal annealing of birefringent TiO_2 thin films formed by oblique-angle deposition. <i>Proceedings of SPIE</i> , 2007, , .	0.8	1
18	Formation and Aqueous Surface Wettability of Polysiloxane Nanofibers Prepared via Surface Initiated, Vapor-Phase Polymerization of Organotrichlorosilanes. <i>Langmuir</i> , 2007, 23, 5275-5278.	3.5	48

#	ARTICLE	IF	CITATIONS
19	Surface Functionalization of Porous Nanostructured Metal Oxide Thin Films Fabricated by Glancing Angle Deposition. <i>Chemistry of Materials</i> , 2006, 18, 5260-5266.	6.7	35
20	Circular birefringence dependence on chiral film porosity. <i>Optics Express</i> , 2006, 14, 10550.	3.4	22
21	Optical behaviour of hybrid LC/inorganic nanostructures. , 2006, , .		1
22	Nanostructured gradient index optical filter for high-speed humidity sensing. <i>Sensors and Actuators B: Chemical</i> , 2006, 120, 213-219.	7.8	98
23	Characterization of Glancing Angle Deposition Thin Film Optical Filters with Engineered Index Profiles. <i>Materials Research Society Symposia Proceedings</i> , 2006, 928, 1.	0.1	0
24	Sub-Second Humidity Sensing based on Nanostructured Narrow-Bandpass Optical Filters. <i>Materials Research Society Symposia Proceedings</i> , 2006, 915, 1.	0.1	0
25	Vapor-Phase Functionalization of Nanostructured Gradient-Index Titanium Dioxide Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 2006, 928, 1.	0.1	0
26	Effect of porosity on optical properties of chiral films. , 2005, , .		0
27	Photonic device applications of nano-engineered thin film materials. , 2005, , .		3
28	Double-handed circular Bragg phenomena in polygonal helix thin films. <i>Journal of Applied Physics</i> , 2005, 98, 083517.	2.5	52
29	Double-handed circular Bragg reflection bands in chiral thin films. , 2005, 5870, 16.		0
30	Effects of Deposition Angle on the Optical Properties of Helically Structured Films. <i>Materials Research Society Symposia Proceedings</i> , 2004, 846, DD10.17.1.	0.1	1
31	Optical properties of porous helical thin films and the effects of post-deposition annealing. , 2004, , .		15
32	Superhydrophobic, High Surface Area, 3-D SiO ₂ Nanostructures through Siloxane-Based Surface Functionalization. <i>Langmuir</i> , 2004, 20, 10771-10774.	3.5	60
33	Optical Properties of Porous Helical Thin Films. <i>Applied Optics</i> , 2004, 43, 3632.	2.1	72
34	Gradient-index narrow-bandpass filter fabricated with glancing-angle deposition. <i>Optics Letters</i> , 2004, 29, 2545.	3.3	93
35	Characterization By Variable Angle Spectroscopic Ellipsometry Of Dielectric Columnar Thin Films Produced By Glancing Angle Deposition. <i>Materials Research Society Symposia Proceedings</i> , 2003, 797, 134.	0.1	0