

Jeremy C Sit

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11148909/publications.pdf>

Version: 2024-02-01

35
papers

836
citations

516710

16
h-index

642732

23
g-index

36
all docs

36
docs citations

36
times ranked

787
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanostructured gradient index optical filter for high-speed humidity sensing. Sensors and Actuators B: Chemical, 2006, 120, 213-219.	7.8	98
2	Gradient-index narrow-bandpass filter fabricated with glancing-angle deposition. Optics Letters, 2004, 29, 2545.	3.3	93
3	Surface Area Characterization of Obliquely Deposited Metal Oxide Nanostructured Thin Films. Langmuir, 2010, 26, 4368-4376.	3.5	81
4	Optical Properties of Porous Helical Thin Films. Applied Optics, 2004, 43, 3632.	2.1	72
5	Superhydrophobic, High Surface Area, 3-D SiO ₂ Nanostructures through Siloxane-Based Surface Functionalization. Langmuir, 2004, 20, 10771-10774.	3.5	60
6	Birefringence enhancement in annealed TiO ₂ thin films. Journal of Applied Physics, 2007, 102, 013517.	2.5	55
7	Double-handed circular Bragg phenomena in polygonal helix thin films. Journal of Applied Physics, 2005, 98, 083517.	2.5	52
8	Formation and Aqueous Surface Wettability of Polysiloxane Nanofibers Prepared via Surface Initiated, Vapor-Phase Polymerization of Organotrichlorosilanes. Langmuir, 2007, 23, 5275-5278.	3.5	48
9	A Birefringent and Transparent Electrical Conductor. Advanced Functional Materials, 2008, 18, 2147-2153.	14.9	38
10	Surface Functionalization of Porous Nanostructured Metal Oxide Thin Films Fabricated by Glancing Angle Deposition. Chemistry of Materials, 2006, 18, 5260-5266.	6.7	35
11	Reactive Ion Etching of Columnar Nanostructured TiO_2 Thin Films for Modified Relative Humidity Sensor Response Time. IEEE Sensors Journal, 2009, 9, 1979-1986.	4.7	30
12	Control of the principal refractive indices in biaxial metal oxide films. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2011, 28, 1830.	1.5	26
13	Circular birefringence dependence on chiral film porosity. Optics Express, 2006, 14, 10550.	3.4	22
14	Coupled defects in one-dimensional photonic crystal films fabricated with glancing angle deposition. Optics Express, 2010, 18, 13220.	3.4	18
15	High sensitivity Love-wave humidity sensors using glancing angle deposited thin films. Sensors and Actuators B: Chemical, 2012, 173, 164-168.	7.8	18
16	Selective transmittance of linearly polarized light in thin films rationally designed by FDTD and FDFD theories and fabricated by glancing angle deposition. Journal of Applied Physics, 2008, 104, .	2.5	17
17	Optical properties of porous helical thin films and the effects of post-deposition annealing. , 2004, , .		15
18	The use of ion-milling to control clustering of nanostructured, columnar thin films. Nanotechnology, 2010, 21, 295301.	2.6	11

#	ARTICLE	IF	CITATIONS
19	On the uniformity of films fabricated by glancing angle deposition. Journal of Applied Physics, 2011, 109, .	2.5	11
20	Acoustic wave liquid sensors enhanced with glancing angle-deposited thin films. Sensors and Actuators B: Chemical, 2013, 181, 715-719.	7.8	11
21	Sidelobe suppression in chiral optical filters by apodization of the local form birefringence. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 3140.	1.5	9
22	Photoluminescence emission profiles of Y ₂ O ₃ :Eu films composed of high-low density stacks produced by glancing angle deposition. Applied Optics, 2008, 47, 2798.	2.1	9
23	Photonic device applications of nano-engineered thin film materials. , 2005, , .		3
24	Effects of Deposition Angle on the Optical Properties of Helically Structured Films. Materials Research Society Symposia Proceedings, 2004, 846, DD10.17.1.	0.1	1
25	Optical behaviour of hybrid LC/inorganic nanostructures. , 2006, , .		1
26	Microstructured humidity sensors fabricated by glancing angle deposition: characterization and performance evaluation. , 2007, , .		1
27	Thermal annealing of birefringent TiO ₂ thin films formed by oblique-angle deposition. Proceedings of SPIE, 2007, , .	0.8	1
28	Characterization By Variable Angle Spectroscopic Ellipsometry Of Dielectric Columnar Thin Films Produced By Glancing Angle Deposition. Materials Research Society Symposia Proceedings, 2003, 797, 134.	0.1	0
29	Effect of porosity on optical properties of chiral films. , 2005, , .		0
30	Double-handed circular Bragg reflection bands in chiral thin films. , 2005, 5870, 16.		0
31	Characterization of Glancing Angle Deposition Thin Film Optical Filters with Engineered Index Profiles. Materials Research Society Symposia Proceedings, 2006, 928, 1.	0.1	0
32	Sub-Second Humidity Sensing based on Nanostructured Narrow-Bandpass Optical Filters. Materials Research Society Symposia Proceedings, 2006, 915, 1.	0.1	0
33	Vapor-Phase Functionalization of Nanostructured Gradient-Index Titanium Dioxide Thin Films. Materials Research Society Symposia Proceedings, 2006, 928, 1.	0.1	0
34	Various methods used to etch titanium dioxide columnar thin films. Materials Research Society Symposia Proceedings, 2009, 1174, 147.	0.1	0
35	Numerical simulation and rational design of optically anisotropic columnar films. Proceedings of SPIE, 2011, , .	0.8	0