

Mustafa M Aslan

List of Publications by Year in descending order

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20
papers

233
citations

1163117

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1199594

12
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all docs

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docs citations

20
times ranked

189
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-loss optical waveguides for the near ultra-violet and visible spectral regions with Al ₂ O ₃ thin films from atomic layer deposition. <i>Thin Solid Films</i> , 2010, 518, 4935-4940.	1.8	76
2	Surface Plasmon Scattering by Gold Nanoparticles and Two-Dimensional Agglomerates. <i>Journal of Heat Transfer</i> , 2007, 129, 60-70.	2.1	27
3	Evaluation of micro-bubble size and gas hold-up in two-phase gas-liquid columns via scattered light measurements. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2006, 101, 527-539.	2.3	24
4	Characterization of Individual Cotton Fibers via Light-Scattering Experiments. <i>Journal of Thermophysics and Heat Transfer</i> , 2003, 17, 442-449.	1.6	21
5	Characterization of metallic nano-particles via surface wave scattering: B. Physical concept and numerical experiments. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2005, 93, 207-217.	2.3	20
6	Size and Shape Prediction of Colloidal Metal Oxide MgBaFeO Particles from Light Scattering Measurements. <i>Journal of Nanoparticle Research</i> , 2006, 8, 981-994.	1.9	17
7	Characterization of metallic nano-particles via surface wave scattering: A. Theoretical framework and formulation. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2005, 93, 195-206.	2.3	16
8	Investigations on the Q and CT Bands of Cytochrome <i>c</i> Submonolayer Adsorbed on an Alumina Surface Using Broadband Spectroscopy with Single-Mode Integrated Optical Waveguides. <i>Journal of Physical Chemistry C</i> , 2009, 113, 8306-8312.	3.1	15
9	Structural and optical characterizations of porous anodic alumina-aluminum nanocomposite films on borofloat substrates. <i>Optical Engineering</i> , 2014, 53, 071822.	1.0	6
10	Sub-Micron Integrated Grating Couplers for Single-Mode Planar Optical Waveguides. , 2008, , .		4
11	Nanostructuring of alumina optical waveguides by hot water treatment for tuning sensor output. <i>Thin Solid Films</i> , 2012, 520, 2251-2256.	1.8	3
12	Angular reflectance of suspended gold, aluminum and silver nanospheres on a gold film: Effects of concentration and size distribution. <i>Journal of Nanoparticle Research</i> , 2010, 12, 3077-3086.	1.9	1
13	Sensitivity enhancement of coupled plasmon-waveguide resonance sensors with gold-silver-alumina layers. <i>Proceedings of SPIE</i> , 2012, , .	0.8	1
14	Angular Resolutions of the Porous Anodic Alumina/Aluminum Photonic-Plasmonic Sensors. , 2014, , .		1
15	Daisy-like nanostructures for plasmonic biosensors. <i>SPIE Newsroom</i> , 0, , .	0.1	1
16	Determining the energy level of laser induced cracks in alumina substrate via acoustic emission. <i>AIP Conference Proceedings</i> , 2000, , .	0.4	0
17	Spectroscopic studies in protein films with highly sensitive single-mode guided-wave platforms. , 2009, , .		0
18	Analytical study on sensitivity enhancement of an angularly interrogated LRSP sensor. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
19	Optical characterization of gold coated over nanostructured alumina films. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	0
20	Hydrothermal-process-driven fabrication of nanostructured sensors. SPIE Newsroom, 0, , .	0.1	0