

# A Z Moshfegh

## List of Publications by Year in descending order

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29  
papers

883  
citations

567281

15  
h-index

526287

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g-index

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all docs

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docs citations

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times ranked

1303  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication and surface stochastic analysis of enhanced photoelectrochemical activity of a tuneable MoS <sub>2</sub> –CdS thin film heterojunction. RSC Advances, 2016, 6, 16711-16719.	3.6	14
2	Band engineering and charge separation in the Mo <sub>1-x</sub> W <sub>x</sub> S <sub>2</sub> /TiO <sub>2</sub> heterostructure by alloying: first principle prediction. RSC Advances, 2015, 5, 28460-28466.	3.6	29
3	To What Extent Can Surface Morphology Influence the Photoelectrochemical Performance of Au:WO <sub>3</sub> Electrodes?. Journal of Physical Chemistry C, 2015, 119, 1271-1279.	3.1	23
4	Correlation between surface stochastic parameters and field emission property of NiO nanorods. Journal Physics D: Applied Physics, 2014, 47, 115302.	2.8	7
5	The first study on enhanced photoresponsivity of ZnO–TiO <sub>2</sub> nanocomposite thin films by anodic polarization. Physical Chemistry Chemical Physics, 2011, 13, 4239.	2.8	13
6	Synthesis of W <sub>17</sub> O <sub>47</sub> nanothick plates with preferred orientation and their photocatalytic activity. Surface and Interface Analysis, 2011, 43, 1397-1402.	1.8	9
7	Photo-Degradation of Methylene Blue over V <sub>2</sub> O <sub>5</sub> –TiO <sub>2</sub> Nano-Porous Layers Synthesized by Micro Arc Oxidation. Catalysis Letters, 2010, 134, 162-168.	2.6	59
8	Visible photoenhanced current–voltage characteristics of Au–TiO <sub>2</sub> nanocomposite thin films as photoanodes. Journal Physics D: Applied Physics, 2010, 43, 105405.	2.8	45
9	A comparative study of heat-treated Ag:SiO <sub>2</sub> nanocomposites synthesized by cosputtering and sol–gel methods. Surface and Interface Analysis, 2009, 41, 157-163.	1.8	12
10	Nanoparticle catalysts. Journal Physics D: Applied Physics, 2009, 42, 233001.	2.8	196
11	Simple Method to Synthesize Na <sub>2</sub> WO <sub>3</sub> Nanorods and Nanobelts. Journal of Physical Chemistry C, 2009, 113, 13098-13102.	3.1	26
12	Persistent superhydrophilicity of sol–gel derived nanoporous silica thin films. Journal Physics D: Applied Physics, 2009, 42, 025302.	2.8	27
13	Low temperature self-agglomeration of metallic Ag nanoparticles on silica sol–gel thin films. Journal Physics D: Applied Physics, 2008, 41, 195305.	2.8	38
14	Crystallinity of CoSi <sub>2</sub> nanolayer grown by refractory metal interlayer and cap layer methods. Journal of Physics: Conference Series, 2008, 100, 042013.	0.4	0
15	The effect of nanocrystalline tungsten oxide concentration on surface properties of dip-coated hydrophilic WO <sub>3</sub> –SiO <sub>2</sub> thin films. Journal Physics D: Applied Physics, 2007, 40, 2089-2095.	2.8	34
16	Hydrophilicity variation of WO <sub>3</sub> thin films with annealing temperature. Journal Physics D: Applied Physics, 2007, 40, 1134-1137.	2.8	89
17	Physical characteristics of heat-treated nano-silvers dispersed in sol–gel silica matrix. Nanotechnology, 2006, 17, 763-771.	2.6	80
18	Influence of Coloring Voltage and Thickness on Electrochromical Properties of e-beam Evaporated WO <sub>3</sub> Thin Films. Journal of the Electrochemical Society, 2006, 153, E11.	2.9	59

#	ARTICLE	IF	CITATIONS
19	The effect of annealing temperature on the statistical properties of WO <sub>3</sub> surface. Journal of Statistical Mechanics: Theory and Experiment, 2006, 2006, P09017-P09017.	2.3	19
20	The barrier effect of a WxTa(1-x) nanolayer on formation of single-texture CoSi <sub>2</sub> on Si(100). Semiconductor Science and Technology, 2006, 21, 1181-1192.	2.0	5
21	Controlling surface statistical properties using bias voltage: Atomic force microscopy and stochastic analysis. Physical Review B, 2005, 71, .	3.2	34
22	PVD GROWTH METHOD: PHYSICS AND TECHNOLOGY. , 2004, , .		4
23	PHOTOCATALYTIC CONVERSION OF METHANE INTO METHANOL OVER THE MoO <sub>3</sub> (010) SURFACE USING A SIMULATION METHOD. Surface Review and Letters, 2004, 11, 33-39.	1.1	2
24	Co surface modification by bias sputtering in Cu/Co(Vb)/NiO/Si(100) magnetic multilayer structures. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 1744-1747.	0.8	2
25	The Kinetic Study of H <sub>2</sub> S Formation and Desorption on the S/Pt(111) Surface by Computer Simulation. Surface Review and Letters, 2003, 10, 745-750.	1.1	2
26	Retardation of Ta silicidation by bias sputtering in Cu/Ta/Si(111) thin films. Journal Physics D: Applied Physics, 2001, 34, 2103-2108.	2.8	29
27	Photo-enhanced catalytic decomposition of isopropanol on V <sub>2</sub> O <sub>5</sub> . Catalysis Letters, 1990, 4, 113-122.	2.6	14
28	Combined high-pressure photocatalytic reactor-UHV system and sample transfer device. Review of Scientific Instruments, 1988, 59, 2202-2205.	1.3	9
29	Summary Abstract: Photoenhancement of the catalytic methanation reaction. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1987, 5, 820-821.	2.1	3