

# Mohammad Reza Zamani Meymian

## List of Publications by Year in descending order

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28  
papers

380  
citations

758635

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839053

18  
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28  
all docs

28  
docs citations

28  
times ranked

299  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of embedded waveguides in lithium-niobate crystals by radiation damage. Applied Physics B: Lasers and Optics, 2006, 82, 419-422.	1.1	45
2	Effect of annealing treatment on electrical and optical properties of Nb doped TiO <sub>2</sub> thin films as a TCO prepared by sol-gel spin coating method. Applied Surface Science, 2014, 316, 456-462.	3.1	39
3	Synergistic effect of molybdenum coating and SDS surfactant on corrosion inhibition of mild steel in presence of 3.5% NaCl. Corrosion Science, 2018, 136, 393-401.	3.0	30
4	The effect of solvents and the thickness on structural, optical and electrical properties of ITO thin films prepared by a sol-gel spin-coating process. Journal of Nanostructure in Chemistry, 2014, 4, 1.	5.3	22
5	Smoothing and coverage improvement of SnO <sub>2</sub> electron transporting layer by NH <sub>4</sub> F treatment: Enhanced fill factor and efficiency of perovskite solar cells. Solar Energy, 2021, 228, 253-262.	2.9	21
6	Nanoindentation and nanoscratch studies of submicron nanostructured Ti/TiCrN bilayer films deposited by RF-DC co-sputtering method. Ceramics International, 2018, 44, 21825-21834.	2.3	20
7	Effect of electron-donating and -withdrawing substitutions in naphthoquinone sensitizers: The structure engineering of dyes for DSSCs. Journal of Molecular Structure, 2018, 1167, 274-279.	1.8	18
8	Fabrication and characterization of bimetallic nickel-molybdenum nano-coatings for mild steel corrosion protection in 3.5% NaCl solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 593, 124617.	2.3	18
9	Refractive index changes in lithium niobate crystals by high-energy particle radiation. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 2107.	0.9	17
10	Enhancing the efficiency of dye-sensitized solar cell by increasing the light trapping and decreasing the electron-hole recombination rate due to Ag@TiO <sub>2</sub> core-shell photoanode structure. Materials Research Express, 2020, 7, 016409.	0.8	17
11	Effect of pyrolysis temperature on the electrical, optical, structural, and morphological properties of ITO thin films prepared by a sol-gel spin coating process. Microelectronic Engineering, 2014, 130, 40-45.	1.1	15
12	Fractal characteristics of TiO <sub>2</sub> -Ag nanocomposite films deposited by a grid-assisted co-sputtering method. Applied Surface Science, 2019, 480, 593-600.	3.1	14
13	Influence of two gradual steps of vacuum annealing on structural and opto-electronic characteristics of Nb-doped TiO <sub>2</sub> transparent conducting oxide. Superlattices and Microstructures, 2018, 123, 242-250.	1.4	13
14	Cobalt complex dye as a novel sensitizer in dye sensitized solar cells. Materials Research Express, 2019, 6, 125536.	0.8	11
15	Influence of bias voltage on optical and structural characteristics of Cu <sub>3</sub> N films deposited by reactive RF magnetron sputtering in a pure nitrogen atmosphere. Materials Science in Semiconductor Processing, 2020, 112, 104995.	1.9	11
16	Self-Assembled ZnO Nanosheet-Based Spherical Structure as Photoanode in Dye-Sensitized Solar Cells. Journal of Electronic Materials, 2018, 47, 1993-1999.	1.0	10
17	Atomic displacement and disorder in LiNbO <sub>3</sub> single crystal caused by high-energy He ion irradiation: an x-ray absorption spectroscopy study. Journal of Physics Condensed Matter, 2009, 21, 495401.	0.7	9
18	Stability of Non-Flexible vs. Flexible Inverted Bulk-Heterojunction Organic Solar Cells with ZnO as Electron Transport Layer Prepared by a Sol-Gel Spin Coating Method. Surfaces, 2020, 3, 319-327.	1.0	7

#	ARTICLE	IF	CITATIONS
19	Enhanced Performance of Planar Perovskite Solar Cells Using Thioacetamide-Treated SnS <sub>2</sub> Electron Transporting Layer Based on Molecular Ink. <i>Energy &amp; Fuels</i> , 2022, 36, 5897-5909.	2.5	7
20	Raman and ultraviolet-visible spectroscopy of titanium chromium nitride thin films. <i>Surface Engineering</i> , 2021, 37, 148-153.	1.1	6
21	Thermal and long-term stability of fast-ion-irradiation-induced refractive index changes in lithium niobate crystals. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 98, 909-912.	1.1	5
22	Fractality and roughness of the ZnO:Cu composite thin films annealed in different temperatures. <i>Surface Engineering</i> , 2020, 36, 63-68.	1.1	5
23	Improving the performance of planar perovskite solar cell using NH <sub>4</sub> Cl treatment of SnO <sub>2</sub> as electron transport layer. <i>Surfaces and Interfaces</i> , 2022, 28, 101596.	1.5	5
24	Structuring of material parameters in lithium niobate crystals with low-mass, high-energy ion radiation. <i>Applied Physics B: Lasers and Optics</i> , 2011, 105, 113-127.	1.1	4
25	Interfacial modification to optimize stainless steel photoanode design for flexible dye sensitized solar cells: an experimental and numerical modeling approach. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 405601.	1.3	4
26	Theoretical and experimental analyses of the deposited silver thin films. <i>Surface and Interface Analysis</i> , 2018, 50, 403-410.	0.8	3
27	Effect of Radiofrequency Power Sputtering on Silver-Palladium Nano-coatings for Mild Steel Corrosion Protection in 3.5% NaCl Solution. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 8406-8413.	1.2	2
28	Effects of Thallium-Aluminum-Codoped Zinc Oxide Thin Film as a New Transparent Conducting Oxide. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2000619.	0.8	2