Mohammad Reza Zamani Meymian

List of Publications by Year
in descending order

28 papers	380 citations	758635 12 h-index	839053 18 g-index
28 all docs	28 docs citations	28 times ranked	299 citing authors

#	Article	IF	Citations
1	Improving the performance of planar perovskite solar cell using NH4Cl treatment of SnO2 as electron transport layer. Surfaces and Interfaces, 2022, 28, 101596.	1.5	5
2	Enhanced Performance of Planar Perovskite Solar Cells Using Thioacetamide-Treated SnS₂ Electron Transporting Layer Based on Molecular Ink. Energy & Fuels, 2022, 36, 5897-5909.	2.5	7
3	Raman and ultravioletâ€“visible spectroscopy of titanium chromium nitride thin films. Surface Engineering, 2021, 37, 148-153.	1.1	6
4	Effects of Thalliumâ€“Aluminumâ€Codoped Zinc Oxide Thin Film as a New Transparent Conducting Oxide. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2000619.	0.8	2
5	Smoothing and coverage improvement of SnO2 electron transporting layer by NH4F treatment: Enhanced fill factor and efficiency of perovskite solar cells. Solar Energy, 2021, 228, 253-262.	2.9	21
6	Fractality and roughness of the ZnO:Cu composite thin films annealed in different temperatures. Surface Engineering, 2020, 36, 63-68.	1.1	5
7	Enhancing the efficiency of dye-sensitized solar cell by increasing the light trapping and decreasing the electron-hole recombination rate due to Ag@TiO₂ core-shell photoanode structure. Materials Research Express, 2020, 7, 016409.	0.8	17
8	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
9	Effect of Radiofrequency Power Sputtering on Silver-Palladium Nano-coatings for Mild Steel Corrosion Protection in 3.5% NaCl Solution. Journal of Materials Engineering and Performance, 2020, 29, 8406-8413.	1.2	2
10	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
11	Influence of bias voltage on optical and structural characteristics of Cu3N films deposited by reactive RF magnetron sputtering in a pure nitrogen atmosphere. Materials Science in Semiconductor Processing, 2020, 112, 104995.	1.9	11
12	Fractal characteristics of TiO2-Ag nanocomposite films deposited by a grid-assisted co-sputtering method. Applied Surface Science, 2019, 480, 593-600.	3.1	14
13	Cobalt complex dye as a novel sensitizer in dye sensitized solar cells. Materials Research Express, 2019, 6, 125536.	0.8	11
14	Theoretical and experimental analyses of the deposited silver thin films. Surface and Interface Analysis, 2018, 50, 403-410.	0.8	3
15	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
16	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
17	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
18	Influence of two gradual steps of vacuum annealing on structural and opto-electronic characteristics of Nb-doped TiO2 transparent conducting oxide. Superlattices and Microstructures, 2018, 123, 242-250.	1.4	13

#	Article	IF	Citations
19	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
20	Interfacial modification to optimize stainless steel photoanode design for flexible dye sensitized solar cells: an experimental and numerical modeling approach. Journal Physics D: Applied Physics, 2016, 49, 405601.	1.3	4
21	The effect of solvents and the thickness on structural, optical and electrical properties of ITO thin films prepared by a solâ€“gel spin-coating process. Journal of Nanostructure in Chemistry, 2014, 4, 1.	5.3	22
22	Effect of annealing treatment on electrical and optical properties of Nb doped TiO 2 thin films as a TCO prepared by solâ€“gel spin coating method. Applied Surface Science, 2014, 316, 456-462.	3.1	39
23	Effect of pyrolysis temperature on the electrical, optical, structural, and morphological properties of ITO thin films prepared by a solâ€“gel spin coating process. Microelectronic Engineering, 2014, 130, 40-45.	1.1	15
24	Structuring of material parameters in lithium niobate crystals with low-mass, high-energy ion radiation. Applied Physics B: Lasers and Optics, 2011, 105, 113-127.	1.1	4
25	Thermal and long-term stability ofÂfast-ion-irradiation-induced refractive index changes inÂlithium niobate crystals. Applied Physics A: Materials Science and Processing, 2010, 98, 909-912.	1.1	5
26	Atomic displacement and disorder in LiNbO₃single crystal caused by high-energy³He ion irradiation: an x-ray absorption spectroscopy study. Journal of Physics Condensed Matter, 2009, 21, 495401.	0.7	9
27	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
28	Fabrication of embedded waveguides in lithium-niobate crystals by radiation damage. Applied Physics B: Lasers and Optics, 2006, 82, 419-422.	1.1	45