Ahmed El Hichou

List of Publications by Citations

35 papers	772 citations	16 h-index	27 g-index
40 ext. papers	825 ext. citations	2.6 avg, IF	3.28 L-index

#	Paper	IF	Citations
35	Structural, optical and cathodoluminescence characteristics of undoped and tin-doped ZnO thin films prepared by spray pyrolysis. *Materials Chemistry and Physics*, **2003**, 80, 438-445	4.4	143
34	Effect of substrate temperature on electrical, structural, optical and cathodoluminescent properties of In2O3-Sn thin films prepared by spray pyrolysis. *Thin Solid Films*, **2004**, 458, 263-268	2.2	71
33	Cathodoluminescent and nonlinear optical properties of undoped and erbium doped nanostructured ZnO films deposited by spray pyrolysis. *Optics Communications*, **2007**, 277, 196-201	2	63
32	Microstructure and cathodoluminescence study of sprayed Al and Sn doped ZnS thin films. *Semiconductor Science and Technology*, **2004**, 19, 230-235	1.8	51
31	Influence of deposition temperature (Ts), air flow rate (f) and precursors on cathodoluminescence properties of ZnO thin films prepared by spray pyrolysis. *Journal of Luminescence*, **2005**, 113, 183-190	3.8	48
30	Cathodoluminescence properties of undoped and Al-doped ZnO thin films deposited on glass substrate by spray pyrolysis. *Materials Chemistry and Physics*, **2004**, 83, 43-47	4.4	44
29	Linear Electro-Optics Effect in ZnO Film Glass Interface. *Physica Status Solidi (B): Basic Research*, **2002**, 234, 553-562	1.3	39
28	Structural, optical and cathodoluminescence characteristics of sprayed undoped and fluorine-doped ZnO thin films. *Semiconductor Science and Technology*, **2002**, 17, 607-613	1.8	37
27	Giant piezooptics effect in the ZnO Er3+ crystalline films deposited on the glasses. *Optics and Laser Technology*, **2004**, 36, 173-180	4.2	33
26	Flow rate and interface roughness of zinc oxide thin films deposited by spray pyrolysis technique. *Journal of Applied Physics*, **2003**, 93, 632-640	2.5	28
25	Anomalously Large Pockels Effect in ZnO-F Single Crystalline Films Deposited on Bare Glass. *Crystal Research and Technology*, **2002**, 37, 340-352	1.3	23
24	Photoinduced non-linear optical effects in the ZnS-Al, In Sn doped film glass nanometer-sized interfaces. *Applied Surface Science*, **2002**, 202, 24-32	6.7	23
23	Structural, optical and luminescent characteristics of sprayed fluorine-doped In2O3 thin films for solar cells. *Solar Energy Materials and Solar Cells*, **2009**, 93, 609-612	6.4	22
22	Luminescent spectroscopy and imaging of textured sprayed Er-doped ZnO films in the near ultraviolet and visible regions. *Journal of Applied Physics*, **2006**, 100, 014505	2.5	22
21	Refractive index controlled by film morphology and free carrier density in undoped ZnO through sol-pH variation. *Optik*, **2018**, 158, 1139-1146	2.5	19
20	Giant Pockels effect in ZnO-F films deposited on bare glasses. *Journal of Physics Condensed Matter*, **2002**, 14, 5407-5417	1.8	16
19	On the sol pH and the structural, optical and electrical properties of ZnO thin films. *Superlattices and Microstructures*, **2016**, 93, 297-302	2.8	15

18	Structural and spectroscopic ellipsometry characterization for electrodeposited ZnO growth at different hydrogen peroxide concentration. *Thin Solid Films*, **2010**, 518, 4150-4155	2.2	14
17	Pressure□emperature anomalies of doped ZnO polycrystalline films deposited on bare glasses. *Materials Letters*, **2001**, 51, 519-524	3.3	11
16	Influence of the aluminum incorporation on the properties of electrodeposited ZnO thin films. *Surface and Coatings Technology*, **2015**, 270, 236-242	4.4	10
15	Photoinduced second-harmonic generation in the indium tin oxide crystalline films. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2003**, 21, 201-205	2.9	7
14	Li concentration dependence of structural properties and optical band gap of Li-doped ZnO films. *Applied Physics A: Materials Science and Processing*, **2017**, 123, 1	2.6	6
13	Nonlinear optical effects in In2O3:Sn□glass nano-interfaces. *Journal of Optics*, **2003**, 5, 61-65		6
12	Synthesis of lithium doped zinc oxide by sol gel. *Journal of Physics: Conference Series*, **2016**, 758, 012019	0.3	6
11	Self-compensation reduction as first step of p-type ZnO synthesis. *Superlattices and Microstructures* , **2020**, 147, 106689	2.8	4
10	Study of magnetic transitions in Dy by means of reversible Villari effect. *Journal Physics D: Applied Physics*, **2016**, 49, 015001	3	3
9	Cathodoluminescent behaviour of sprayed ZnS specimens. *Thin Solid Films*, **2005**, 487, 54-57	2.2	3
8	The effect of electronegativity on optical properties of Mg doped ZnO. *Optik*, **2021**, 241, 167070	2.5	3
7	A review of mechanomagnetic spectroscopy. Case study: Dy polycrystals. *Journal of Magnetism and Magnetic Materials*, **2016**, 400, 141-144	2.8	1
6	Grain size and composition effects on the cathodoluminescent characteristics of sprayed zinc oxide thin films. *Philosophical Magazine*, **2005**, 85, 3463-3475	1.6	1
5	Temperature annealing effect on structural and optical properties of ZnO thin films prepared by sol-gel method. *MATEC Web of Conferences*, **2013**, 5, 04007	0.3	
4	Non-radiative electron-hole pair recombination in degraded GaAs/GaAlAs double heterostructure. *Semiconductor Science and Technology*, **1994**, 9, 2205-2209	1.8	
3	Structural morphological and Cathodoluminescent properties of undoped and Erbium doped nanostructured ZnO deposited by Spray Pyrolysis **2019**, 7-12		
2	Effect of lithium salt precursors on the physical properties of ZnO-Li thin films. *Thin Solid Films*, **2021**, 725, 138644	2.2	
1	Dependence of ZnCl2 Precursor Concentrations on Structural, Optical, and Cathodoluminescence Properties of Spin-Coated ZnO Thin Films. *Semiconductors*, **2021**, 55, S80-S87	0.7	