

# Ahmed El Hichou

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Effect of lithium salt precursors on the physical properties of ZnO-Li thin films. <i>Thin Solid Films</i> , <b>2021</b> , 725, 138644	2.2	
34	The effect of electronegativity on optical properties of Mg doped ZnO. <i>Optik</i> , <b>2021</b> , 241, 167070	2.5	3
33	Dependence of ZnCl <sub>2</sub> Precursor Concentrations on Structural, Optical, and Cathodoluminescence Properties of Spin-Coated ZnO Thin Films. <i>Semiconductors</i> , <b>2021</b> , 55, S80-S87	0.7	
32	Self-compensation reduction as first step of p-type ZnO synthesis. <i>Superlattices and Microstructures</i> , <b>2020</b> , 147, 106689	2.8	4
31	Structural morphological and Cathodoluminescent properties of undoped and Erbium doped nanostructured ZnO deposited by Spray Pyrolysis <b>2019</b> , 7-12		
30	Refractive index controlled by film morphology and free carrier density in undoped ZnO through sol-pH variation. <i>Optik</i> , <b>2018</b> , 158, 1139-1146	2.5	19
29	Li concentration dependence of structural properties and optical band gap of Li-doped ZnO films. <i>Applied Physics A: Materials Science and Processing</i> , <b>2017</b> , 123, 1	2.6	6
28	A review of mechanomagnetic spectroscopy. Case study: Dy polycrystals. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 400, 141-144	2.8	1
27	Study of magnetic transitions in Dy by means of reversible Villari effect. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 015001	3	3
26	Synthesis of lithium doped zinc oxide by sol gel. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 758, 012019	0.3	6
25	On the sol pH and the structural, optical and electrical properties of ZnO thin films. <i>Superlattices and Microstructures</i> , <b>2016</b> , 93, 297-302	2.8	15
24	Influence of the aluminum incorporation on the properties of electrodeposited ZnO thin films. <i>Surface and Coatings Technology</i> , <b>2015</b> , 270, 236-242	4.4	10
23	Temperature annealing effect on structural and optical properties of ZnO thin films prepared by sol-gel method. <i>MATEC Web of Conferences</i> , <b>2013</b> , 5, 04007	0.3	
22	Structural and spectroscopic ellipsometry characterization for electrodeposited ZnO growth at different hydrogen peroxide concentration. <i>Thin Solid Films</i> , <b>2010</b> , 518, 4150-4155	2.2	14
21	Structural, optical and luminescent characteristics of sprayed fluorine-doped In <sub>2</sub> O <sub>3</sub> thin films for solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2009</b> , 93, 609-612	6.4	22
20	Cathodoluminescent and nonlinear optical properties of undoped and erbium doped nanostructured ZnO films deposited by spray pyrolysis. <i>Optics Communications</i> , <b>2007</b> , 277, 196-201	2	63
19	Luminescent spectroscopy and imaging of textured sprayed Er-doped ZnO films in the near ultraviolet and visible regions. <i>Journal of Applied Physics</i> , <b>2006</b> , 100, 014505	2.5	22

18	Grain size and composition effects on the cathodoluminescent characteristics of sprayed zinc oxide thin films. <i>Philosophical Magazine</i> , <b>2005</b> , 85, 3463-3475	1.6	1
17	Influence of deposition temperature (Ts), air flow rate (F) and precursors on cathodoluminescence properties of ZnO thin films prepared by spray pyrolysis. <i>Journal of Luminescence</i> , <b>2005</b> , 113, 183-190	3.8	48
16	Cathodoluminescent behaviour of sprayed ZnS specimens. <i>Thin Solid Films</i> , <b>2005</b> , 487, 54-57	2.2	3
15	Cathodoluminescence properties of undoped and Al-doped ZnO thin films deposited on glass substrate by spray pyrolysis. <i>Materials Chemistry and Physics</i> , <b>2004</b> , 83, 43-47	4.4	44
14	Giant piezooptics effect in the ZnO:Er <sup>3+</sup> crystalline films deposited on the glasses. <i>Optics and Laser Technology</i> , <b>2004</b> , 36, 173-180	4.2	33
13	Effect of substrate temperature on electrical, structural, optical and cathodoluminescent properties of In <sub>2</sub> O <sub>3</sub> -Sn thin films prepared by spray pyrolysis. <i>Thin Solid Films</i> , <b>2004</b> , 458, 263-268	2.2	71
12	Microstructure and cathodoluminescence study of sprayed Al and Sn doped ZnS thin films. <i>Semiconductor Science and Technology</i> , <b>2004</b> , 19, 230-235	1.8	51
11	Structural, optical and cathodoluminescence characteristics of undoped and tin-doped ZnO thin films prepared by spray pyrolysis. <i>Materials Chemistry and Physics</i> , <b>2003</b> , 80, 438-445	4.4	143
10	Nonlinear optical effects in In <sub>2</sub> O <sub>3</sub> :Sn/glass nano-interfaces. <i>Journal of Optics</i> , <b>2003</b> , 5, 61-65		6
9	Flow rate and interface roughness of zinc oxide thin films deposited by spray pyrolysis technique. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 632-640	2.5	28
8	Photoinduced second-harmonic generation in the indium tin oxide crystalline films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2003</b> , 21, 201-205	2.9	7
7	Linear Electro-Optics Effect in ZnO/Film/Glass Interface. <i>Physica Status Solidi (B): Basic Research</i> , <b>2002</b> , 234, 553-562	1.3	39
6	Anomalously Large Pockels Effect in ZnO-F Single Crystalline Films Deposited on Bare Glass. <i>Crystal Research and Technology</i> , <b>2002</b> , 37, 340-352	1.3	23
5	Photoinduced non-linear optical effects in the ZnS-Al, In <sub>2</sub> Sn doped film/glass nanometer-sized interfaces. <i>Applied Surface Science</i> , <b>2002</b> , 202, 24-32	6.7	23
4	Giant Pockels effect in ZnO-F films deposited on bare glasses. <i>Journal of Physics Condensed Matter</i> , <b>2002</b> , 14, 5407-5417	1.8	16
3	Structural, optical and cathodoluminescence characteristics of sprayed undoped and fluorine-doped ZnO thin films. <i>Semiconductor Science and Technology</i> , <b>2002</b> , 17, 607-613	1.8	37
2	Pressure/Temperature anomalies of doped ZnO polycrystalline films deposited on bare glasses. <i>Materials Letters</i> , <b>2001</b> , 51, 519-524	3.3	11
1	Non-radiative electron-hole pair recombination in degraded GaAs/GaAlAs double heterostructure. <i>Semiconductor Science and Technology</i> , <b>1994</b> , 9, 2205-2209	1.8	

