

## Scientific publication data for postgraduate students in the Department of Physics

<i>date</i>	<i>title</i>
1 June 2021	<i>LiTaO<sub>3</sub> assisted giant strain and thermally stable energy storage response for renewable energy storage applications</i>
25 June 2021	<i>Improved performance and long-term stability of organogelator electrolyte based semi-solid-state dye sensitized solar cells with electrospun ZnO-TiO<sub>2</sub> hybrid films</i>
21 May 2021	<i>Charge carrier modulation in dual-gated graphene field effect transistor using honey as polar organic gate dielectric</i>
3 June 2021	<i>Biomass derived activated carbon based hybrid supercapacitors</i>
16 January 2021	<i>Sn-induced changes in the structure and optical properties of amorphous As–Se–Sn thin films for optical device</i>
November 2021 4	<i>Synthesis and enhanced electromechanical properties of Bi(Mg<sub>0.5</sub>Zr<sub>0.5</sub>)O<sub>3</sub>-modified BiFeO<sub>3</sub>–BaTiO<sub>3</sub> piezoceramics by ordinary firing process</i>
1 June 2021	<i>Role of Cu dilute on microstructures, optical, photoluminescence, magnetic and electrical properties of CdS film</i>
08 December 2021	<i>Synthesis and characterization of undoped and copper-doped zinc oxide nanowires for optoelectronic and solar cells applications</i>
05 October 2021	<i>Photocatalytic degradation of methylene blue dye via MoO<sub>3</sub>, NiMoO<sub>4</sub>, Co<sub>0.7</sub>Fe<sub>0.3</sub>(MoO<sub>4</sub>) and Fe<sub>2</sub>(MoO<sub>4</sub>)<sub>3</sub> thin films prepared by spray pyrolysis technique</i>
15 January 2022	<i>Magnetocaloric properties of MnFeP<sub>1-x</sub>As<sub>x</sub> (x= 0.55 and 0.53)</i>
15 January 2022	<i>Investigation of the magnetocaloric effect and the critical behavior of the interacting superparamagnetic nanoparticles of La<sub>0.8</sub>Sr<sub>0.15</sub>Na<sub>0.05</sub>MnO<sub>3</sub></i>

### Journal info

معامل التأثير	Indexing	Publisher	Journal title
6.583	ISSN: 2352-152X	Elsevier	Journal of Energy Storage
4.527	ISSN: 0272-8842	Elsevier	Ceramics International
4.158	ISSN: 0257-8972	Elsevier	Surface and Coatings Technology
2.584	electronic ISSN 1432-0630 Print ISSN 0947-8396	Springer	Applied Physics A Materials Science & Processing
3.927	ISSN: 1369-8001	Elsevier	Materials Science in Semiconductor Processing
2.584	electronic ISSN 1432-0630 Print ISSN 0947-8396	Springer	Applied Physics A Materials Science & Processing
1.78	ISSN : 0250-4707 (print); 0973-7669 (web)	Springer	Bulletin of Materials Science
5.316	ISSN: 0925-8388	Elsevier	Journal of Alloys and Compound
1.674	2234-0491 Electronic ISSN : Print ISSN 7801-1229	Springer	Journal of the Korean Ceramic Society

**List of scientific research published for postgraduate students**

ISI /SCOPUS/ other	Quartile	Impact factor	Journal	Title of research
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ISI	Q1	6.583	Journal of Energy Storage	Biomass derived activated carbon based hybrid supercapacitors
ISI	Q1	4.527	Ceramics International	LiTaO <sub>3</sub> assisted giant strain and thermally stable energy storage response for renewable energy storage applications
ISI	Q1	4.158	Surface & Coatings Technology	Improved performance and long-term stability of organogelator electrolyte based semi-solid-state dye sensitized solar cells with electrospun ZnO-TiO <sub>2</sub> hybrid films
ISI	Q2	3.927	Materials Science in Semiconductor Processing	Role of Cu dilute on microstructures, optical, photoluminescence, magnetic and electrical properties of CdS film
ISI	Q2	2.584	Applied Physics A Materials Science & Processing Applied Physics A Materials Science & Processing	Charge carrier modulation in dual-gated graphene field effect transistor using honey as polar organic gate dielectric
ISI	Q3	1.8	Applied physics A- Materials Science & Processing	Sn-induced changes in the structure and optical properties of amorphous As-Se-Sn thin films for optical devices

ISI	Q2	1.674	Journal of the Korean Ceramic Society	Synthesis and enhanced electromechanical properties of Bi(Mg <sub>0.5</sub> Zr <sub>0.5</sub> )O <sub>3</sub> -modified BiFeO <sub>3</sub> -BaTiO <sub>3</sub> piezoceramics by ordinary firing process
ISI	Q2	5.316	Journal of Alloys and Compounds	Magnetocaloric properties of MnFeP <sub>1-x</sub> As <sub>x</sub> (x= 0.55 and 0.53)
ISI	Q2	2.584	Applied Physics A Materials Science & Processing	Synthesis and characterization of undoped and copper-doped zinc oxide nanowires for optoelectronic and solar cells applications
ISI	Q 3	1.78	Bulletin of Materials Science	Photocatalytic degradation of methylene blue dye via MoO <sub>3</sub> , NiMoO <sub>4</sub> , Co <sub>0.7</sub> Fe <sub>0.3</sub> (MoO <sub>4</sub> ) and Fe <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub> thin films prepared by spray pyrolysis technique
ISI	Q2	5.316	Journal of alloys and compounds	Investigation of the magnetocaloric effect and the critical behavior of the interacting superparamagnetic nanoparticles of La <sub>0.8</sub> Sr <sub>0.15</sub> Na <sub>0.05</sub> MnO <sub>3</sub>