

# Ä° AfÄin Kariper

## List of Publications by Year in descending order

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94  
papers

1,479  
citations

471371

17  
h-index

395590

33  
g-index

95  
all docs

95  
docs citations

95  
times ranked

1445  
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene and graphene oxide based aerogels: Synthesis, characteristics and supercapacitor applications. <i>Journal of Energy Storage</i> , 2020, 27, 101038.	3.9	234
2	The structural, electrical and optical properties of CdS thin films as a function of pH. <i>Materials Chemistry and Physics</i> , 2011, 129, 183-188.	2.0	90
3	Optical properties of amorphous CuS thin films deposited chemically at different pH values. <i>Journal of Alloys and Compounds</i> , 2012, 516, 20-26.	2.8	88
4	Pyroelectric nanogenerators (PyNGs) in converting thermal energy into electrical energy: Fundamentals and current status. <i>Nano Energy</i> , 2021, 84, 105888.	8.2	69
5	Synthesis and characterization of GO/IrO <sub>2</sub> thin film supercapacitor. <i>Journal of Alloys and Compounds</i> , 2018, 754, 14-25.	2.8	55
6	Fog harvesting against water shortage. <i>Environmental Chemistry Letters</i> , 2020, 18, 361-375.	8.3	46
7	Silver nanoparticle/capecitabine for breast cancer cell treatment. <i>Toxicology in Vitro</i> , 2019, 61, 104600.	1.1	41
8	Glass formation, production and superior properties of Zr-based thin film metallic glasses (TFMGs): A status review. <i>Journal of Non-Crystalline Solids</i> , 2020, 527, 119753.	1.5	39
9	Structural, optical and porosity properties of CdI <sub>2</sub> thin film. <i>Journal of Materials Research and Technology</i> , 2016, 5, 77-83.	2.6	37
10	Synthesis and Characterization of GO/V <sub>2</sub> O <sub>5</sub> Thin Film Supercapacitor. <i>Synthetic Metals</i> , 2018, 242, 37-48.	2.1	27
11	Optical properties of cobalt xanthate films on different substrates. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2014, 21, 736-740.	2.4	25
12	Synthesis and characterization of cerium sulfide thin film. <i>Progress in Natural Science: Materials International</i> , 2014, 24, 663-670.	1.8	24
13	Producing BiI/BiOI Thin Films via Chemical Bath Deposition. <i>Materials Research</i> , 2016, 19, 18-23.	0.6	22
14	Synthesis and characterization Bi <sub>2</sub> O <sub>2</sub> S thin film via chemical bath deposition at low pH. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 163, 102-107.	2.0	20
15	Optical and structural properties of PbI <sub>2</sub> thin film produced via chemical dipping method. <i>Optical Review</i> , 2016, 23, 401-408.	1.2	19
16	Carbonaceous Materials-12: a Novel Highly Sensitive Graphene Oxide-Based Carbon Electrode: Preparation, Characterization, and Heavy Metal Analysis in Food Samples. <i>Food Analytical Methods</i> , 2016, 9, 322-331.	1.3	19
17	Optical and structural properties of zinc iodine thin films. <i>Optical Materials</i> , 2015, 44, 78-83.	1.7	18
18	Synthesis, surface tension, optical and dielectric properties of bismuth oxide thin film. <i>Materials Science-Poland</i> , 2017, 35, 87-93.	0.4	18

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19	High energy supercapacitors based on functionalized carbon nanotubes: Effect of atomic oxygen doping via various radiation sources. <i>Fuel</i> , 2022, 324, 124497.	3.4	18
20	Wet chemical methods for producing mixing crystalline phase ZrO <sub>2</sub> thin film. <i>Applied Surface Science</i> , 2016, 377, 159-166.	3.1	17
21	Surface and electro-optical properties of amorphous Sb <sub>2</sub> S <sub>3</sub> thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	17
22	Selective Preconcentration/Separation of Copper(II), Iron(III), and Lead(II) as Their N-Benzoyl-N,N-Diisobutylthiourea Chelates on Amberlite XAD-16 Resin. <i>Journal of AOAC INTERNATIONAL</i> , 2010, 93, 720-724.	0.7	16
23	Selective cytotoxicity of paclitaxel bonded silver nanoparticle on different cancer cells. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 61, 102265.	1.4	16
24	Production of HfO <sub>2</sub> thin films using different methods: chemical bath deposition, SILAR and sol-gel process. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2014, 21, 832-838.	2.4	15
25	Facile synthesis and characterization of graphene oxide/tungsten oxide thin film supercapacitor for electrochemical energy storage. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 116, 113718.	1.3	14
26	Production and applications of flexible/wearable triboelectric nanogenerator (TENGS). <i>Synthetic Metals</i> , 2021, 273, 116692.	2.1	14
27	Effect of Complexing Agent on the Structural, Optical and Electrical Properties of Polycrystalline Indium Sulfide Thin Films Deposited by Chemical Bath Deposition. <i>Acta Physica Polonica A</i> , 2017, 132, 527-530.	0.2	14
28	Direct utilization of radioactive irradiated graphite as a high-energy supercapacitor a promising electrode material. <i>Fuel</i> , 2022, 325, 124843.	3.4	14
29	What is the Effect of Critical Surface Tension of PbSO <sub>3</sub> Thin Film?. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 4398-4404.	1.1	13
30	The impact of pH on the structural, surface, electrical and optical properties of nanostructured PbSe thin films. <i>Materials Research Express</i> , 2019, 6, 076422.	0.8	13
31	CuI Film Produced by Chemical Extraction Method in Different Media. <i>Materials Research</i> , 2016, 19, 991-998.	0.6	12
32	Biosensor Application of Carbonaceous Nanocoil Material: Preparation, Characterization, and Determination of Dopamine and Uric Acid in the Presence of Ascorbic Acid. <i>Journal of the Electrochemical Society</i> , 2016, 163, H269-H277.	1.3	12
33	Effect of pH on the structural and optical properties of polycrystalline ZnSe thin films produced by CBD method. <i>International Journal of Modern Physics B</i> , 2019, 33, 1950024.	1.0	12
34	Producing MoO <sub>3</sub> thin film supercapacitor through bio-chemical bath deposition. <i>Ceramics International</i> , 2019, 45, 3478-3482.	2.3	12
35	A new process to synthesize CrSe thin films with nanosize by CBD method. <i>Materials Research Express</i> , 2019, 6, 036412.	0.8	12
36	BaTiO <sub>3</sub> -based nanogenerators: fundamentals and current status. <i>Journal of Electroceramics</i> , 2022, 48, 8-34.	0.8	12

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37	Conductive Ink Next Generation Materials: Silver Nanoparticle/Polyvinyl Alcohol/Polyaniline. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 1277-1286.	1.9	12
38	Characterization of high quality chalcogenide thin film fabricated by chemical bath deposition. Electronic Materials Letters, 2013, 9, 13-17.	1.0	11
39	Synthesis and characterization of vanadium oxide thin films on different substrates. Journal of Materials Science: Materials in Electronics, 2017, 28, 10909-10913.	1.1	11
40	Synthesis and characterization of CrSe thin film produced via chemical bath deposition. Optical Review, 2017, 24, 139-146.	1.2	11
41	A NEW APPROACH TO PREPARE POLYCRYSTALLINE PbTeâ€TeO THIN FILM, AND ITS OPTICAL, STRUCTURAL, SURFACE AND ELECTRICAL CHARACTERIZATION. Surface Review and Letters, 2021, 28, 2150019.	0.5	11
42	Cobalt Xanthate Thin Film with Chemical Bath Deposition. Journal of Nanomaterials, 2013, 2013, 1-9.	1.5	10
43	UV region supercapacitor: Bi-doped natural MgO rock salt thin film. Ceramics International, 2019, 45, 9219-9224.	2.3	10
44	Heterogeneous Au/Ru hybrid nanoparticle decorated graphene oxide nanosheet catalyst for the catalytic reduction of nitroaromatics. Research on Chemical Intermediates, 2019, 45, 801-813.	1.3	10
45	Synthesize of WO3 thin film supercapacitor and its characterization. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 388, 127059.	0.9	10
46	Production and characterization of TeI x (x: 2, 4) thin films: Optical, structural properties and effect of porosity. Materials and Design, 2016, 106, 170-176.	3.3	9
47	THE EFFECTS OF pH ON STRUCTURAL AND OPTICAL CHARACTERIZATION OF IRON OXIDE THIN FILMS. Surface Review and Letters, 2017, 24, 1750051.	0.5	9
48	The Production of UV Absorber Amorphous Cerium Sulfide Thin Film. Materials Research, 2017, 20, 1345-1349.	0.6	9
49	Optical properties of selenium sulfide thin film produced via chemical dropping method. Optical and Quantum Electronics, 2018, 50, 1.	1.5	9
50	Aerogel based nanogenerators: Production methods, characterizations and applications. International Journal of Energy Research, 2020, 44, 11088-11110.	2.2	9
51	Effects of deposition temperatures on the supercapacitor cathode performances of GO:SnSbS/Si thin films. Journal of Energy Storage, 2021, 33, 102116.	3.9	9
52	Hardness of Mn2V2O7 thin films and its influential factors. International Journal of Minerals, Metallurgy and Materials, 2015, 22, 987-991.	2.4	8
53	Production of cyclo-hafnium metalâ€organic thin film using a specific method. Optical and Quantum Electronics, 2019, 51, 1.	1.5	8
54	Optical and Electrical Properties of Nickel Xanthate Thin Films. Bulletin of Materials Science, 2014, 37, 553-561.	0.8	7

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55	Effect of pH on Optic and Structural Characterization of Chemical Deposited AgI Thin Films. Materials Research, 2017, 20, 1563-1570.	0.6	7
56	Optical properties and surface energy of tellurium oxide thin film. Journal of Optics (India), 2018, 47, 504-510.	0.8	7
57	Electrocatalytic effect of nano-wrinkled layer carbonaceous electrode: determination of folic acid by differential pulse voltammetry. Chemical Papers, 2019, 73, 1369-1376.	1.0	7
58	STRUCTURAL AND OPTICAL PROPERTIES OF UNDOPED AND SILVER, LITHIUM AND COBALT-DOPED ZnO THIN FILMS. Surface Review and Letters, 2020, 27, 1950138.	0.5	7
59	A low-cost, high-efficiency, new generation material for fog harvesting fumed silica-doped polypropylene. Npj Clean Water, 2021, 4, .	3.1	7
60	Temperature Dependent Current Transport Mechanism of Photopolymer Based Al/NOA60/p-Si MPS Device. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 1810-1818.	1.9	7
61	Pb-Ag/I Thin Film by Co-Precipitation Method. Iranian Journal of Science and Technology, Transaction A: Science, 2016, 40, 137-143.	0.7	6
62	Isophthalic acid terminated graphene oxide modified glassy carbon nanosensor electrode: Cd <sup>2+</sup> and Bi <sup>3+</sup> analysis in tap water and milk samples. International Journal of Food Properties, 2017, 20, 1558-1568.	1.3	6
63	Elemental monitoring of street dusts in Konya in Turkey. Microchemical Journal, 2019, 148, 338-345.	2.3	6
64	A novel method: Bio-chemical bath for producing vanadium oxide thin film. Journal of Alloys and Compounds, 2019, 771, 302-308.	2.8	6
65	Optical, electrical, structural and magnetic properties of BiSe thin films produced by CBD on different substrates for optoelectronics applications. Materials Research Express, 2019, 6, 016425.	0.8	6
66	Synthesis and characterization of magnesium oxide / silver oxide electrode for supercapacitors by simple Sol-Gel process. Journal of Energy Storage, 2020, 32, 101958.	3.9	6
67	AMORPHOUS PbSe THIN FILM PRODUCED BY CHEMICAL BATH DEPOSITION AT pH OF 5-8. Surface Review and Letters, 2020, 27, 1950128.	0.5	6
68	A New Route to Synthesize MnSe Thin Films by Chemical Bath Deposition Method. Materials Research, 2018, 21, .	0.6	5
69	Ag-doped HfO2 thin films via sol-gel dip coating method. Optical and Quantum Electronics, 2019, 51, 1.	1.5	5
70	Effect of acids on thermal insulation of solid powder silica aerogels. Ceramics International, 2020, 46, 8669-8674.	2.3	5
71	The synthesis of GO: SnSbS thin films and the analysis of its electrochemical performance. Journal of Alloys and Compounds, 2020, 838, 154908.	2.8	5
72	NOA61 photopolymer as an interface for Al/NOA61/p-Si/Al heterojunction MPS device. Journal of Materials Science: Materials in Electronics, 2021, 32, 27688.	1.1	5

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73	Optical and structural properties and surface tension of uranium oxide thin film. International Journal of Surface Science and Engineering, 2016, 10, 432.	0.4	4
74	CRITICAL SURFACE TENSION, CRITICAL SURFACE ENERGY AND PARACHOR OF MnSO <sub>3</sub> THIN FILM. Surface Review and Letters, 2016, 23, 1650009.	0.5	4
75	Evaluation of nanomanganese decorated typha tassel carbonaceous electrode: preparation, characterization, and simultaneous determination of Cd <sup>2+</sup> and Pb <sup>2+</sup> . Chemical Papers, 2019, 73, 2869-2878.	1.0	4
76	A sensitive spectrophotometric ellipsometry based Aptasensor for the vascular endothelial growth factor detection. Talanta, 2021, 225, 121982.	2.9	4
77	Influence of illumination intensity on the electrical properties of Al/NOA65/p-Si/Al heterojunction MPS device. Journal of Materials Science: Materials in Electronics, 2022, 33, 12796-12807.	1.1	4
78	Hardness of Thin Films and the Influential Factors. , 2016, , .		3
79	A critical review: Electromagnetic shielding for pyrrole used textile materials. Journal of Industrial Textiles, 2022, 51, 36S-64S.	1.1	3
80	Optical and Structural Properties of Natural MnSeO <sub>4</sub> Mineral Thin Film. Materials Research, 2017, 20, 613-618.	0.6	3
81	Release of Doxorubicin™s Active Ingredient from the Hydrogels Derived from Acrylamide and Their Biological Functions. Indian Journal of Pharmaceutical Education and Research, 2019, 53, 171-177.	0.3	3
82	Green synthesis and characterization of silver and iron nanoparticles using Nerium oleander extracts and their antibacterial and anticancer activities. Plant Introduction, 0, 91-92, 36-49.	0.0	3
83	Synthesis and characterization of RuO <sub>2</sub> thick film supercapacitor electrode: the effect of low temperature. Bulletin of Materials Science, 2021, 44, 1.	0.8	3
84	Physical investigations of vanadium oxide thin films on p-Si substrate. Journal of Materials Science: Materials in Electronics, 0, , .	1.1	3
85	The Synthesis of Silicon Carbide in Rhombohedral Form with Different Chemicals. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 3108-3112.	1.1	2
86	A NOVEL METHOD FOR PRODUCING NANOSTRUCTURED CdSe THIN FILM. Surface Review and Letters, 2020, 27, 1950175.	0.5	2
87	PROJECT STAR (Midwestern Prevention Project): Overview. Journal of Community Psychology, 2022, 50, 1361-1375.	1.0	2
88	Electroanalytical Determination of Sudan I Using Gold Nanoparticle/Graphene Nanoribbons-Modified Glassy Carbon Electrode. Electrocatalysis, 2022, 13, 338-347.	1.5	2
89	A new inorganic azo dye and its thin film: MoO <sub>4</sub> N <sub>4</sub> H <sub>6</sub> . International Journal of Minerals, Metallurgy and Materials, 2014, 21, 510-514.	2.4	1
90	Impact of Organic Acids on the Hardness of Silica Xerogels. Silicon, 2019, 11, 1159-1163.	1.8	1

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91	Review of international programs fighting against drugs. Journal of Substance Use, 2021, 26, 228-233.	0.3	1
92	The Release of Doxorubicinâ€™s Active Ingredient from the Hydrogels with Poly (HEMA/Acrylamide/) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Research, 2017, 51, 401-406.	0.3	1
93	Electrical energy deposition on mitochondria and the different substrates. Journal of Renewable and Sustainable Energy, 2016, 8, 064101.	0.8	0
94	Radioactive rays shielding film: coating on amorphous glass. Optical and Quantum Electronics, 2020, 52, 1.	1.5	0