

# Arafa Hassen

## List of Publications by Year in descending order

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47  
papers

1,010  
citations

516215

16  
h-index

433756

31  
g-index

47  
all docs

47  
docs citations

47  
times ranked

1075  
citing authors

#	ARTICLE	IF	CITATIONS
1	DSC, TGA and dielectric properties of carboxymethyl cellulose/polyvinyl alcohol blends. <i>Physica B: Condensed Matter</i> , 2011, 406, 4068-4076.	1.3	231
2	Influence of Cr <sub>2</sub> O <sub>3</sub> nanoparticles on the physical properties of polyvinyl alcohol. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	86
3	Synthesis, characterization, optical, and dielectric properties of polyvinyl chloride/cadmium oxide nanocomposite films. <i>Polymer Composites</i> , 2014, 35, 1842-1851.	2.3	78
4	Dielectric relaxation and alternating current conductivity of polyvinylidene fluoride doped with lanthanum chloride. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	68
5	Dielectric properties of PVDF thin films doped with 3 wt.% of $\text{Cl}_3$ ( $\text{R} = \text{Gd or Er}$ ). <i>AIP Advances</i> , 2014, 4, .	0.6	50
6	Effect of Ce doping on structural, magnetic, and transport properties of SrMnO <sub>3</sub> perovskite. <i>Physical Review B</i> , 2004, 69, .	1.1	47
7	Dielectric relaxation analysis and AC conductivity of polyvinyl alcohol/polyacrylonitrile film. <i>Physica B: Condensed Matter</i> , 2016, 499, 24-28.	1.3	39
8	Formation of Nanosize Griffiths-like Clusters in Solid Solution of Ferromagnetic Manganite and Cobaltite. <i>Journal of Physical Chemistry C</i> , 2013, 117, 16658-16664.	1.5	36
9	Effect of nanosilica on optical, electric modulus and AC conductivity of polyvinyl alcohol/polyaniline films. <i>Physica B: Condensed Matter</i> , 2015, 464, 17-27.	1.3	35
10	Phase transition and electric properties of long chain Cd(II) layered perovskites. <i>Phase Transitions</i> , 2006, 79, 305-321.	0.6	33
11	Structural, transport, and magnetic properties of pure and La-doped RuSr <sub>2</sub> GdCu <sub>2</sub> O <sub>8</sub> . <i>Physical Review B</i> , 2002, 65, .	1.1	30
12	The influence of tilt angle on the CMR in Sm <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , 2008, 452, 245-248.	2.8	30
13	Impact of rare-earth ions on the physical properties of hexaferrites Ba <sub>0.5</sub> Sr <sub>0.5</sub> RE <sub>0.6</sub> Fe <sub>11.4</sub> O <sub>19</sub> , (RE = La, Tj). <i>ETQ</i> 1.1 0.784314 rgB 2.8 27	2.8	27
14	Dielectric relaxation analysis of biopolymer poly(3-hydroxybutyrate). <i>Journal of Applied Polymer Science</i> , 2011, 121, 3306-3313.	1.3	22
15	Correlation between structural, transport, and magnetic properties in Sm <sub>1-x</sub> A <sub>x</sub> MnO <sub>3</sub> (A = Sr, Ca). <i>Journal of Applied Physics</i> , 2007, 101, 113917.	1.1	19
16	Revealing the role of the 1T phase on the adsorption of organic dyes on MoS <sub>2</sub> nanosheets. <i>RSC Advances</i> , 2019, 9, 28345-28356.	1.7	19
17	Structural, transport and magnetic properties of Ru <sub>1-x</sub> M <sub>x</sub> Sr <sub>2</sub> GdCu <sub>2</sub> O <sub>8</sub> (M = Ti and Rh for 0 ≤ x ≤ 0.2). <i>Physica C: Superconductivity and Its Applications</i> , 2003, 400, 71-80.	0.6	17
18	Transport properties of metallic La <sub>1-x</sub> Sr <sub>x</sub> CoO <sub>3</sub> (0.30 ≤ x ≤ 0.50) ferromagnet. <i>Journal of Applied Physics</i> , 2006, 100, 103912.	1.1	14

#	ARTICLE	IF	CITATIONS
19	Structural, magnetic, and electric properties of Dy <sub>1-x</sub> Sr <sub>x</sub> CoO <sub>3</sub> (0.65 ≤ x ≤ 0.90). Journal of Applied Physics, 2007, 102, 123905.	1.1	14
20	Construction of 2D layered TiO <sub>2</sub> @MoS <sub>2</sub> heterostructure for efficient adsorption and photodegradation of organic dyes. Nanotechnology, 2021, 32, 335605.	1.3	12
21	Ferroelectric, and piezoelectric properties of BaTi <sub>1-x</sub> Al <sub>x</sub> O <sub>3</sub> (0 ≤ x ≤ 0.015). AIP Advances, 2015, 5, .	0.6	10
22	High-pressure effects on isotropic superconductivity in the iron-free layered pnictide superconductor $\text{BaPd}_{1-x}\text{Mn}_x\text{P}_2$ . Physical Review B, 2018, 97, .	1.1	10
23	Ferromagnetism and superconductivity in pure and doped RuSr <sub>2</sub> GdCu <sub>2</sub> O <sub>8</sub> . Physica B: Condensed Matter, 2002, 312-313, 805-807.	1.3	8
24	Synthesis, structural characterization, photo-physical and magnetic properties of cobalt salphen pseudo halide complexes showing meta-magnetic ordering. Journal of Magnetism and Magnetic Materials, 2018, 452, 488-494.	1.0	7
25	Transport properties of doped RuSr <sub>2</sub> GdCu <sub>2</sub> O <sub>8</sub> superconductor. Superconductor Science and Technology, 2006, 19, 902-906.	1.8	5
26	Irreversibility line of an Ag-doped Hg-based superconductor. Superconductor Science and Technology, 2010, 23, 085010.	1.8	5
27	Charge transport and glassy dynamics in polyisoprene. Polymer Bulletin, 2014, 71, 2039-2052.	1.7	5
28	Realization of spectral irradiance responsivity at NIS-Egypt. Optik, 2018, 168, 390-395.	1.4	5
29	Structure-Property Relationships in Pr <sub>1-x</sub> Ca <sub>x</sub> CoO <sub>3</sub> (0 ≤ x ≤ 0.40). American Journal of Condensed Matter Physics, 2012, 2, 93-100.		
30	New fabrication method for di-indium tri-sulfuric (In <sub>2</sub> S <sub>3</sub> ) thin films. Scientific Reports, 2022, 12, 7033.	1.6	5
31	Dielectric properties of new fully conjugated 2H $\pi$ -and metal $\pi$ -pyrazinoporphyrazine network polymers. Journal of Applied Polymer Science, 2011, 121, 3579-3589.	1.3	4
32	Comparative Study of the Layered Perovskites Pr <sub>1-x</sub> A <sub>x</sub> CoO <sub>4</sub> , (A = Sr, Ca). Journal of the American Ceramic Society, 2014, 97, 3609-3614.	1.9	4
33	Change the ferroelectric properties of Al <sub>0.01</sub> Ba <sub>0.99</sub> TiO <sub>3</sub> ceramics by Al <sub>0.01</sub> Sr <sub>0.99</sub> TiO <sub>3</sub> doping. Results in Physics, 2019, 14, 102368.	2.0	4
34	Synthesis, characterization, ferroelectric, and piezoelectric properties of (1-x)BaTiO <sub>3</sub> x(BaNi <sub>0.5</sub> Nb <sub>0.5</sub> O <sub>3</sub> ) perovskite ceramics. Journal of Materials Science: Materials in Electronics, 2021, 32, 10769-10777.	1.1	4
35	Magnetic Phase Transition and Variable Range Hopping Conduction of Y <sub>1-x</sub> Sr <sub>x</sub> CoO <sub>3-<math>\delta</math></sub> . Journal of the Korean Physical Society, 2007, 51, 1736-1742.	0.3	4
36	A Comparative Study Between Pr <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> and Pr <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub> at 0 ≤ x ≤ 0.30. Journal of the Korean Physical Society, 2008, 52, 98-105.	0.3	4

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37	Transport and magnetic properties of $Ru(Sr_{1-x}La_x)_2RCu_2O_8$ (R=Gd, Eu) superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 2003, 398, 123-130.	0.6	3
38	Magnetic and Electric Properties of , () Layered Perovskites. <i>Advances in Condensed Matter Physics</i> , 2013, 2013, 1-6.	0.4	2
39	Dielectric relaxation, structural and thermal studies of 95 MeV $O_6^{+}$ ion irradiated conducting polymer polyaniline-polyvinyl alcohol. <i>Radiation Effects and Defects in Solids</i> , 2014, 169, 73-86.	0.4	2
40	Upper critical fields in $Ba_{1-x}O_{2-x}$ single crystals: Evidence for dominant Pauli paramagnetic effect. <i>Physical Review B</i> , 2018, 97, .	1.1	2
41	The detailed studies of the structural and magnetic properties of hexaferrites $Ba_{1-x}Sr_xFe_{12}O_{19}$ for $0.0 \leq x \leq 0.75$ . <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 10977-10990.	1.1	2
42	Synthesis, Optical, Magnetic and Thermodynamic Properties of Rocksalt $Li_{1.3}Nb_{0.3}Mn_{0.4}O_2$ Cathode Material for Li-ion Batteries. <i>Crystals</i> , 2021, 11, 825.	1.0	2
43	AC susceptibility of the $Hg_{0.3}La_{0.7}Ba_2Ca_3(Cu_{0.95}Ag_{0.5})_4O_{10+\delta}$ superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 2016, 528, 12-16.	0.6	1
44	Structural, Transport and Magnetic Properties of the Doped Magnetic Superconductor Ru-1212. <i>AIP Conference Proceedings</i> , 2003, , .	0.3	0
45	The effect of some transition metal oxides on the physical properties of $K_{0.5}Na_{0.5}Nb_{0.95}Ta_{0.05}O_3$ ceramics. <i>Philosophical Magazine</i> , 2017, 97, 95-107.	0.7	0
46	Structural, electrical and magnetic properties of $Sr_{1-x}Bi_xTiO_{3-\delta}$ ceramics. <i>Philosophical Magazine Letters</i> , 2020, 100, 1-9.	0.5	0
47	Optical, magnetic, thermodynamic, and dielectric studies of the disordered rock salt $Li_{1.3}Nb_{0.3}Fe_{0.4}O_2$ cathode for Li-ion batteries. <i>Journal of Applied Physics</i> , 2022, 131, .	1.1	0