

# 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	Optical, magnetic, thermodynamic, and dielectric studies of the disordered rock salt $\text{Li}_{1.3}\text{Nb}_{0.3}\text{Fe}_{0.4}\text{O}_2$ cathode for Li-ion batteries. <i>Journal of Applied Physics</i> , 2022, 131, .	1.1	0
2	New fabrication method for di-indium tri-sulfuric ( $\text{In}_2\text{S}_3$ ) thin films. <i>Scientific Reports</i> , 2022, 12, 7033.	1.6	5
3	Synthesis, characterization, ferroelectric, and piezoelectric properties of $(1-x)\text{BaTiO}_3-x(\text{BaNi}_{0.5}\text{Nb}_{0.5}\text{O}_3)$ perovskite ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 10769-10777.	1.1	4
4	The detailed studies of the structural and magnetic properties of hexaferrites $\text{Ba}_{1-x}\text{Sr}_x\text{Fe}_{12}\text{O}_{19}$ for $0.0 \leq x \leq 0.75$ . <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 10977-10990.	1.1	2
5	Construction of 2D layered $\text{TiO}_2 @ \text{MoS}_2$ heterostructure for efficient adsorption and photodegradation of organic dyes. <i>Nanotechnology</i> , 2021, 32, 335605.	1.3	12
6	Synthesis, Optical, Magnetic and Thermodynamic Properties of Rocksalt $\text{Li}_{1.3}\text{Nb}_{0.3}\text{Mn}_{0.4}\text{O}_2$ Cathode Material for Li-Ion Batteries. <i>Crystals</i> , 2021, 11, 825.	1.0	2
7	Impact of rare-earth ions on the physical properties of hexaferrites $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{RE}_{0.6}\text{Fe}_{11.4}\text{O}_{19}$ , (RE = La, Tj) <i>ETQ</i> 1.1 0.784314 rgB (2.8 27)	1.1	27
8	Structural, electrical and magnetic properties of $\text{Sr}_{1-x}\text{Bi}_x\text{TiO}_3$ ceramics. <i>Philosophical Magazine Letters</i> , 2020, 100, 1-9.	0.5	0
9	Revealing the role of the 1T phase on the adsorption of organic dyes on $\text{MoS}_2$ nanosheets. <i>RSC Advances</i> , 2019, 9, 28345-28356.	1.7	19
10	Change the ferroelectric properties of $\text{Al}_{0.01}\text{Ba}_{0.99}\text{TiO}_3$ ceramics by $\text{Al}_{0.01}\text{Sr}_{0.99}\text{TiO}_3$ doping. <i>Results in Physics</i> , 2019, 14, 102368.	2.0	4
11	High-pressure effects on isotropic superconductivity in the iron-free layered pnictide superconductor $\text{BaPd}_2\text{P}_2\text{O}_{10}$ . <i>Physical Review B</i> , 2018, 97, .	1.1	10
12	Realization of spectral irradiance responsivity at NIS-Egypt. <i>Optik</i> , 2018, 168, 390-395.	1.4	5
13	Upper critical fields in $\text{Ba}_{1-x}\text{Bi}_x\text{P}_2\text{O}_{10}$ single crystals: Evidence for dominant Pauli paramagnetic effect. <i>Physical Review B</i> , 2018, 97, .	1.1	2
14	Synthesis, structural characterization, photo-physical and magnetic properties of cobalt salphen pseudo halide complexes showing meta-magnetic ordering. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 452, 488-494.	1.0	7
15	The effect of some transition metal oxides on the physical properties of $\text{K}_{0.5}\text{Na}_{0.5}\text{Nb}_{0.95}\text{Ta}_{0.05}\text{O}_3$ ceramics. <i>Philosophical Magazine</i> , 2017, 97, 95-107.	0.7	0
16	AC susceptibility of the $\text{Hg}_{0.3}\text{La}_{0.7}\text{Ba}_2\text{Ca}_3(\text{Cu}_{0.95}\text{Ag}_{0.5})_4\text{O}_{10}$ superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 2016, 528, 12-16.	0.6	1
17	Dielectric relaxation analysis and AC conductivity of polyvinyl alcohol/polyacrylonitrile film. <i>Physica B: Condensed Matter</i> , 2016, 499, 24-28.	1.3	39
18	Ferroelectric, and piezoelectric properties of $\text{BaTi}_{1-x}\text{Al}_x\text{O}_3$ , $0 \leq x \leq 0.015$ . <i>AIP Advances</i> , 2015, 5, .	0.6	10

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19	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
20	Dielectric properties of PVDF thin films doped with 3 wt.% of $\text{Cl}_3$ ( $\text{R} = \text{Gd}$ or $\text{Er}$ ). <i>AIP Advances</i> , 2014, 4, .	0.6	50
21	Comparative Study of the Layered Perovskites $\text{Pr}_{1-x}\text{A}_x\text{CoO}_4$ , ( $\text{A} = \text{Sr}, \text{Ca}$ ). <i>Journal of the American Ceramic Society</i> , 2014, 97, 3609-3614.	1.9	4
22	Synthesis, characterization, optical, and dielectric properties of polyvinyl chloride/cadmium oxide nanocomposite films. <i>Polymer Composites</i> , 2014, 35, 1842-1851.	2.3	78
23	Dielectric relaxation, structural and thermal studies of 95 MeV $\text{O}_6^+$ ion irradiated conducting polymer polyaniline-polyvinyl alcohol. <i>Radiation Effects and Defects in Solids</i> , 2014, 169, 73-86.	0.4	2
24	Charge transport and glassy dynamics in polyisoprene. <i>Polymer Bulletin</i> , 2014, 71, 2039-2052.	1.7	5
25	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
26	Magnetic and Electric Properties of $(\text{A})$ Layered Perovskites. <i>Advances in Condensed Matter Physics</i> , 2013, 2013, 1-6.	0.4	2
27	Influence of $\text{Cr}_2\text{O}_3$ nanoparticles on the physical properties of polyvinyl alcohol. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	86
28	Structure-Property Relationships in $\text{Pr}_{1-x}\text{Sr}_x\text{CoO}_3$ ( $0 \leq x \leq 0.40$ ). <i>American Journal of Condensed Matter Physics</i> , 2012, 2, 93-100.	1.0	5
29	DSC, TGA and dielectric properties of carboxymethyl cellulose/polyvinyl alcohol blends. <i>Physica B: Condensed Matter</i> , 2011, 406, 4068-4076.	1.3	231
30	Dielectric relaxation analysis of biopolymer poly(3-hydroxybutyrate). <i>Journal of Applied Polymer Science</i> , 2011, 121, 3306-3313.	1.3	22
31	Dielectric properties of new fully conjugated 2H-pyrazinoporphyrazine network polymers. <i>Journal of Applied Polymer Science</i> , 2011, 121, 3579-3589.	1.3	4
32	Dielectric relaxation and alternating current conductivity of polyvinylidene fluoride doped with lanthanum chloride. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	68
33	Irreversibility line of an Ag-doped Hg-based superconductor. <i>Superconductor Science and Technology</i> , 2010, 23, 085010.	1.8	5
34	The influence of tilt angle on the CMR in $\text{Sm}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$ . <i>Journal of Alloys and Compounds</i> , 2008, 452, 245-248.	2.8	30
35	A Comparative Study Between $\text{Pr}_{1-x}\text{Sr}_x\text{MnO}_3$ and $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ at $0 \leq x \leq 0.30$ . <i>Journal of the Korean Physical Society</i> , 2008, 52, 98-105.	0.3	4
36	Structural, magnetic, and electric properties of $\text{Dy}_{1-x}\text{Sr}_x\text{CoO}_3$ ( $0.65 \leq x \leq 0.90$ ). <i>Journal of Applied Physics</i> , 2007, 102, 123905.	1.1	14

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37	Correlation between structural, transport, and magnetic properties in $\text{Sm}_{1-x}\text{A}_x\text{MnO}_3$ (A=Sr,Ca). Journal of Applied Physics, 2007, 101, 113917.	1.1	19
38	Magnetic Phase Transition and Variable Range Hopping Conduction of $\text{Y}_{1-x}\text{Sr}_x\text{CoO}_{3-\delta}$ . Journal of the Korean Physical Society, 2007, 51, 1736-1742.	0.3	4
39	Phase transition and electric properties of long chain Cd(II) layered perovskites. Phase Transitions, 2006, 79, 305-321.	0.6	33
40	Transport properties of doped $\text{RuSr}_2\text{GdCu}_2\text{O}_8$ superconductor. Superconductor Science and Technology, 2006, 19, 902-906.	1.8	5
41	Transport properties of metallic $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ (0.30 ≤ x ≤ 0.50) ferromagnet. Journal of Applied Physics, 2006, 100, 103912.	1.1	14
42	Effect of Cd doping on structural, magnetic, and transport properties of $\text{SrMnO}_3$ perovskite. Physical Review B, 2004, 69, .	1.1	47
43	Transport and magnetic properties of $\text{Ru}(\text{Sr}_{1-x}\text{La}_x)_2\text{RCu}_2\text{O}_8$ (R=Gd, Eu) superconductor. Physica C: Superconductivity and Its Applications, 2003, 398, 123-130.	0.6	3
44	Structural, transport and magnetic properties of $\text{Ru}_{1-x}\text{M}_x\text{Sr}_2\text{GdCu}_2\text{O}_8$ (M=Ti and Rh for 0 ≤ x ≤ 0.2). Physica C: Superconductivity and Its Applications, 2003, 400, 71-80.	0.6	17
45	Structural, Transport and Magnetic Properties of the Doped Magnetic Superconductor Ru-1212. AIP Conference Proceedings, 2003, , .	0.3	0
46	Structural, transport, and magnetic properties of pure and La-doped $\text{RuSr}_2\text{GdCu}_2\text{O}_8$ . Physical Review B, 2002, 65, .	1.1	30
47	Ferromagnetism and superconductivity in pure and doped $\text{RuSr}_2\text{GdCu}_2\text{O}_8$ . Physica B: Condensed Matter, 2002, 312-313, 805-807.	1.3	8