

Hafedh Belmabrouk

List of Publications by Year in descending order

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153
papers

2,863
citations

201385

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157
all docs

157
docs citations

157
times ranked

1945
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of methylene blue from aqueous solution on activated carbons and composite prepared from an agricultural waste biomass: A comparative study by experimental and advanced modeling analysis. <i>Chemical Engineering Journal</i> , 2022, 430, 132801.	6.6	181
2	Adsorption of crystal violet on biomasses from pecan nutshell, para chestnut husk, araucaria bark and palm cactus: Experimental study and theoretical modeling via monolayer and double layer statistical physics models. <i>Chemical Engineering Journal</i> , 2019, 378, 122101.	6.6	148
3	Adsorption of hazardous dyes on functionalized multiwalled carbon nanotubes in single and binary systems: Experimental study and physicochemical interpretation of the adsorption mechanism. <i>Chemical Engineering Journal</i> , 2020, 389, 124467.	6.6	125
4	Adsorption of dyes brilliant blue, sunset yellow and tartrazine from aqueous solution on chitosan: Analytical interpretation via multilayer statistical physics model. <i>Chemical Engineering Journal</i> , 2020, 382, 122952.	6.6	123
5	Interpretation of the adsorption mechanism of Reactive Black 5 and Ponceau 4R dyes on chitosan/polyamide nanofibers via advanced statistical physics model. <i>Journal of Molecular Liquids</i> , 2019, 285, 165-170.	2.3	121
6	Effect of metal cation complexation on the nonlinear optical response of an electroactive bisiminopyridine ligand. <i>Dyes and Pigments</i> , 2014, 101, 229-233.	2.0	85
7	Preparation and characterization of a novel mountain soursop seeds powder adsorbent and its application for the removal of crystal violet and methylene blue from aqueous solutions. <i>Chemical Engineering Journal</i> , 2020, 391, 123617.	6.6	70
8	Adsorption of acid green and procion red on a magnetic geopolymer based adsorbent: Experiments, characterization and theoretical treatment. <i>Chemical Engineering Journal</i> , 2020, 383, 123113.	6.6	61
9	Insights of the adsorption mechanism of methylene blue on brazilian berries seeds: Experiments, phenomenological modelling and DFT calculations. <i>Chemical Engineering Journal</i> , 2020, 394, 125011.	6.6	60
10	MHD Flow and Heat Transfer over Vertical Stretching Sheet with Heat Sink or Source Effect. <i>Symmetry</i> , 2019, 11, 297.	1.1	58
11	Structural and morphological studies, and temperature/frequency dependence of electrical conductivity of $Ba_{0.97}La_{0.02}Ti_{1-x}Nb_{4x/5}O_3$ perovskite ceramics. <i>RSC Advances</i> , 2021, 11, 23664-23678.	1.7	53
12	Effect of Co substitution on magnetocaloric effect in $La_{0.67}Pb_{0.33}Mn_{1-x}Co_xO_3$ (0.15% x). <i>Journal of Alloys and Compounds</i> , 2010, 507, 405-409.	2.8	44
13	Adsorption of ethanol onto activated carbon: Modeling and consequent interpretations based on statistical physics treatment. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 444, 853-869.	1.2	44
14	Adsorption of indium (III) from aqueous solution on raw, ultrasound- and supercritical-modified chitin: Experimental and theoretical analysis. <i>Chemical Engineering Journal</i> , 2019, 373, 1247-1253.	6.6	43
15	Numerical simulation of wall roughness effects in cavitating flow. <i>International Journal of Heat and Fluid Flow</i> , 2011, 32, 1068-1075.	1.1	39
16	Modeling of polarization charge in N-face InGaN/GaN MQW solar cells. <i>Materials Science in Semiconductor Processing</i> , 2015, 40, 424-428.	1.9	35
17	Modeling Thermal Performance of Nano-GNRFET Transistors Using Ballistic-Diffusive Equation. <i>IEEE Transactions on Electron Devices</i> , 2018, 65, 1611-1616.	1.6	34
18	Optoelectronic properties of zinc blende ZnS _{Se} and ZnBeTe alloys. <i>European Physical Journal B</i> , 2005, 43, 3-9.	0.6	33

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19	Flow Confinement Enhancement of Heterogeneous Immunoassays in Microfluidics. IEEE Sensors Journal, 2015, 15, 7321-7328.	2.4	33
20	Adaptive noise-reducing anisotropic diffusion filter. Neural Computing and Applications, 2016, 27, 1273-1300.	3.2	33
21	Structural and dielectric properties of Ba _{0.8} La _{0.133} Ti _{0.90} Sn _{0.1} O ₃ . Solid State Communications, 2012, 152, 1874-1879.	0.9	31
22	Optimization of microfluidic biosensor efficiency by means of fluid flow engineering. Scientific Reports, 2017, 7, 5721.	1.6	31
23	3D thermal conduction in a nanoscale Tri-Gate MOSFET based on single-phase-lag model. Applied Thermal Engineering, 2015, 91, 647-653.	3.0	30
24	Investigation of Self-Heating Effects in a 10-nm SOI-MOSFET With an Insulator Region Using Electrothermal Modeling. IEEE Transactions on Electron Devices, 2015, 62, 2410-2415.	1.6	29
25	Numerical Analysis of Human Cancer Therapy Using Microwave Ablation. Applied Sciences (Switzerland), 2020, 10, 211.	1.3	29
26	Structural, electric and dielectric properties of Ca _{0.85} Er _{0.1} Ti _{1-x} Co _{4x/3} O ₃ (0 ≤ x ≤ 0.1). Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	28
27	Theoretical study of indigotine blue dye adsorption on CoFe ₂ O ₄ /chitosan magnetic composite via analytical model. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 589, 124467.	2.3	28
28	Effect of Al substitution on magnetocaloric effect in La _{0.57} Nd _{0.1} Sr _{0.33} Mn _{1-x} Al _x O ₃ (0.0 ≤ x ≤ 0.30) polycrystalline near room temperature. Journal of Alloys and Compounds, 2012, 518, 32-37.	2.8	27
29	Electrothermal effect on the immunoassay in a microchannel of a biosensor with asymmetrical interdigitated electrodes. Applied Thermal Engineering, 2016, 105, 77-84.	3.0	27
30	Thermal transport in graphene field-effect transistors with ultrashort channel length. Superlattices and Microstructures, 2019, 128, 265-273.	1.4	27
31	Statistical physics modeling and interpretation of the adsorption of dye remazol black B on natural and carbonized biomasses. Journal of Molecular Liquids, 2020, 299, 112099.	2.3	27
32	Microscale thermal conduction based on Cattaneo-Vernotte model in silicon on insulator and Double Gate MOSFETs. Applied Thermal Engineering, 2015, 76, 206-211.	3.0	26
33	Interfacial heat transport across multilayer nanofilms in ballistic-diffusive regime. European Physical Journal Plus, 2020, 135, 1.	1.2	26
34	Taylor length scale measurement by laser Doppler velocimetry. Experiments in Fluids, 1998, 25, 69-76.	1.1	25
35	Effect of second-order temperature jump in Metal-Oxide-Semiconductor Field Effect Transistor with Dual-Phase-Lag model. Microelectronics Journal, 2015, 46, 67-74.	1.1	25
36	Nonlinear Electrothermal Model for Investigation of Heat Transfer Process in a 22-nm FD-SOI MOSFET. IEEE Transactions on Electron Devices, 2017, 64, 1461-1466.	1.6	25

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37	Graphene Effect on the Improvement of the Response of Optical Fiber SPR Sensor. IEEE Sensors Journal, 2017, 17, 7440-7447.	2.4	25
38	Performance enhancement of a copper-based optical fiber SPR sensor by the addition of an oxide layer. Optik, 2019, 190, 1-9.	1.4	24
39	Automatic Extraction of Blood Vessels in the Retinal Vascular Tree Using Multiscale Medialness. International Journal of Biomedical Imaging, 2015, 2015, 1-16.	3.0	21
40	Multidimensional Nano Heat Conduction in Cylindrical Transistors. IEEE Transactions on Electron Devices, 2017, 64, 5236-5241.	1.6	20
41	Electro-thermal modeling for In _x Ga _{1-x} N/GaN based quantum well heterostructures. Materials Science in Semiconductor Processing, 2019, 93, 231-237.	1.9	20
42	Numerical Study of the Electrothermal Effect on the Kinetic Reaction of Immunoassays for a Microfluidic Biosensor. Langmuir, 2016, 32, 13305-13312.	1.6	19
43	Investigation of heat transport across Ge/Si interface using an enhanced ballistic-diffusive model. Superlattices and Microstructures, 2018, 124, 218-230.	1.4	19
44	Thermal characteristics of air-water two-phase flow in a vertical annularly corrugated tube. Journal of Energy Storage, 2020, 31, 101605.	3.9	19
45	Raman spectra, photoluminescence, and low-frequency dielectric properties of Ba _{0.97} La _{0.02} Ti _{1-x} Nb _{4x/5} O ₃ (x=0.00, 0.05) ceramics at room temperature. Journal of Materials Science: Materials in Electronics, 2020, 31, 15296-15307.	1.1	18
46	Enhancement of COVID-19 detection time by means of electrothermal force. Microfluidics and Nanofluidics, 2021, 25, 86.	1.0	18
47	Experimental-structural study, Raman spectroscopy, UV-visible, and impedance characterizations of Ba _{0.97} La _{0.02} Ti _{0.9} Nb _{0.08} O ₃ polycrystalline sample. Journal of Molecular Structure, 2022, 1249, 131539.	1.8	18
48	Local entropy generation in co-flowing turbulent jets with variable density. International Journal of Numerical Methods for Heat and Fluid Flow, 2014, 24, 1679-1695.	1.6	17
49	Enhancement of the Analyte Mass Transport in a Microfluidic Biosensor by Deformation of Fluid Flow and Electrothermal Force. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2016, 138, .	1.3	17
50	Large magnetocaloric effect and critical behavior in La _{0.7} Ba _{0.2} Ca _{0.1} Mn _{1-x} Al _x O ₃ . RSC Advances, 2017, 7, 43590-43599.	1.7	17
51	Noise-estimation-based anisotropic diffusion approach for retinal blood vessel segmentation. Neural Computing and Applications, 2018, 29, 159-180.	3.2	17
52	Influence of non-magnetic ion In ³⁺ on the magneto-transport properties in La _{0.7} Bi _{0.05} Sr _{0.15} Ca _{0.1} Mn _{1-x} In _x O ₃ (0 ≤ x ≤ 0.3) perovskite. Solid State Communications, 2019, 294, 16-22.	0.9	17
53	Study of structural, conduction mechanism and dielectric behavior of La _{0.7} Sr _{0.3} Mn _{0.8} Fe _{0.2} O ₃ manganite. Journal of Materials Science: Materials in Electronics, 2020, 31, 21732-21746.	1.1	16
54	Internal polarization electric field effects on the efficiency of InN/In multiple quantum dot solar cells. Solar Energy, 2020, 201, 339-347.	2.9	16

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55	2-D-Nonlinear Electrothermal Model for Investigating the Self-Heating Effect in GAAFET Transistors. IEEE Transactions on Electron Devices, 2021, 68, 954-961.	1.6	16
56	An investigation of the temperature- and frequency- dependent conductivity behavior and electrical properties of Ba _{0.97} La _{0.02} Ti _{0.9} Nb _{0.08} O ₃ compound using impedance spectroscopy. Journal of Molecular Structure, 2022, 1254, 132238.	1.8	16
57	Numerical Study of the Blood Flow in a Deformable Human Aorta. Applied Sciences (Switzerland), 2019, 9, 1216.	1.3	15
58	Influence of Sr substitution on structural, magnetic and magnetocaloric properties in La _{0.67} Ca _{0.33} ^x Sr _x Mn _{0.98} Ni _{0.02} O ₃ manganites. Journal of Materials Science: Materials in Electronics, 2020, 31, 15322-15335.	1.1	15
59	Study of conduction mechanism, electrical property, and nonlinear electrical behaviors of Ba _{0.97} Bi _{0.02} Ti _{0.9} Zr _{0.05} Nb _{0.04} O ₃ perovskite. Journal of Materials Science: Materials in Electronics, 2020, 31, 4836-4849.	1.1	15
60	Analysis of Microfluidic Biosensor Efficiency Using a Cylindrical Obstacle. Sensor Letters, 2016, 14, 26-31.	0.4	15
61	Sensitive Detection of SARS-CoV-2 Using a Novel Plasmonic Fiber Optic Biosensor Design. Plasmonics, 2022, 17, 1489-1500.	1.8	15
62	Nanoheat Conduction Performance of Black Phosphorus Field-Effect Transistor. IEEE Transactions on Electron Devices, 2017, 64, 2765-2769.	1.6	14
63	Effect of Temperature Jump on Nonequilibrium Entropy Generation in a MOSFET Transistor Using Dual-Phase-Lagging Model. Journal of Heat Transfer, 2017, 139, .	1.2	14
64	Impact of High- <i>k</i> Gate Dielectric on Self-Heating Effects in PiFETs Structure. IEEE Transactions on Electron Devices, 2020, 67, 3522-3529.	1.6	14
65	Enhancement of Heterogeneous Microfluidic Immunosensors Using New Sensing Area Shape with Electrothermal Effect. Applied Sciences (Switzerland), 2021, 11, 4566.	1.3	14
66	3D simulation of microfluidic biosensor for SARS-CoV-2 S protein binding kinetics using new reaction surface design. European Physical Journal Plus, 2022, 137, 241.	1.2	14
67	Self-consistent vertical transport calculations in Al _x Ga _{1-x} N/GaN based resonant tunneling diode. Superlattices and Microstructures, 2016, 91, 37-50.	1.4	13
68	Magnetic, magnetocaloric and critical behavior investigation of La _{0.7} Ca _{0.1} Pb _{0.2} Mn _{1-x} Al _x Sn _y O ₃ (x, y = 0.0, 0.05 and 0.075) prepared by a sol-gel method. RSC Advances, 2017, 7, 43410-43423.	0.7	13
69	Effect of oblateness and viscous force in the Robe's circular restricted three-body problem. New Astronomy, 2019, 73, 101280.	0.8	13
70	Numerical modeling of InGaN/GaN p-i-n solar cells under temperature and hydrostatic pressure effects. AIP Advances, 2019, 9, .	0.6	13
71	Raman scattering and red emission of Mn ⁴⁺ in La _{0.7} Sr _{0.25} Na _{0.05} Mn _{0.7} Ti _{0.3} O ₃ manganite phosphor for LED applications. RSC Advances, 2020, 10, 23615-23623.	1.7	13
72	AC Electroosmosis Effect on Microfluidic Heterogeneous Immunoassay Efficiency. Micromachines, 2020, 11, 342.	1.4	13

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73	Directed co-flow effects on local entropy generation in turbulent heated round jets. Computers and Fluids, 2014, 105, 285-293.	1.3	12
74	Perturbed Robeâ€™s CR3BP with viscous force. Astrophysics and Space Science, 2019, 364, 1.	0.5	12
75	A microscopic and macroscopic investigation of the adsorption of N719 dye on ZnO nanopowders (ZNP) and ZnO nanorods (ZNR) for dye sensitized solar cells using statistical physics treatment and DFT simulation. RSC Advances, 2020, 10, 27615-27632.	1.7	12
76	Design optimization of nanoscale electrothermal transport in 10 nm SOI FinFET technology node. Journal Physics D: Applied Physics, 2020, 53, 495103.	1.3	12
77	Analysis of Temperature-Jump Boundary Conditions on Heat Transfer for Heterogeneous Microfluidic Immunosensors. Sensors, 2021, 21, 3502.	2.1	12
78	Modeling the simultaneous effects of thermal and polarization in InGaN/GaN based high electron mobility transistors. Optik, 2020, 207, 163883.	1.4	11
79	Hopping conduction mechanism and impedance spectroscopy analyses of La _{0.70} Sr _{0.25} Na _{0.05} Mn _{0.70} Ti _{0.30} O ₃ ceramic. Journal of Materials Science: Materials in Electronics, 2021, 32, 16113-16125.	1.1	11
80	Design parameters optimization of an electrothermal flow biosensor for the SARS-CoV-2 S protein immunoassay. Indian Journal of Physics, 2022, 96, 4091-4101.	0.9	11
81	Novel Computerized Method for Measurement of Retinal Vessel Diameters. Biomedicines, 2017, 5, 12.	1.4	10
82	Estimating spontaneous magnetization from mean field analysis and critical exponents study in La _{0.6} Sr _{0.4} Mn _{0.9} Al _{0.1} O ₃ compound. Journal of Magnetism and Magnetic Materials, 2018, 460, 480-488.	1.0	10
83	Theoretical evaluation of a fiber-optic SPR biosensor based on a gold layer treated with thiol acid. EPJ Applied Physics, 2018, 82, 31201.	0.3	10
84	Frequency and thermal studies of dielectric permittivity and Raman analysis of Ba _{0.97} La _{0.02} Ti _{0.98} Nb _{0.01} O ₃ . Journal of Materials Science: Materials in Electronics, 2020, 31, 22323-22339.	1.1	10
85	Experimental and numerical study of the isotherms and determination of physicochemical parameters of the hydrogen absorption/desorption process by the metal hydrides. International Journal of Hydrogen Energy, 2020, 45, 15281-15293.	3.8	10
86	Diffuse Phase Transition and Dielectric Tunability of Ba _{0.97} La _{0.02} TiO ₃ Relaxor Ferroelectric Ceramic. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 1334.	1.9	10
87	Impedance analysis and modulus behavior of Ca _{0.85} Er _{0.1} Ti(1- α)Co ₄ /3O ₃ (α =0.15 and 0.20) ceramic prepared by sol-gel reaction. Applied Physics A: Materials Science and Processing, 2022, 128, .	1.1	10
88	Electronic structure calculations for ZnS _x Se _{1-x} . Materials Science and Engineering C, 2005, 25, 691-694.	3.8	9
89	Modeling the impact of temperature effect and polarization phenomenon on InGaN/GaN-Multi-quantum well solar cells. Optik, 2019, 199, 163385.	1.4	9
90	Numerical Modeling of the Electronic and Electrical Characteristics of InGaN/GaN-MQW Solar Cells. Materials, 2019, 12, 1241.	1.3	9

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91	Molten Salt Flux Synthesis, Structure determination, Optical, Impedance and Modulus Spectroscopy Characterization of perovskite compound. <i>Journal of Molecular Structure</i> , 2022, 1260, 132788.	1.8	9
92	Modelling of visible and near infrared wavelength quantum well devices made of zinc-blende $\text{In}_x\text{Ga}_{1-x}\text{N}$. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 511-519.	0.7	8
93	Study of mean-field theory on the magnetocaloric effect of $\text{La}_{0.7}\text{Bi}_{0.05}\text{Sr}_{0.15}\text{Ca}_{0.1}\text{Mn}_{0.85}\text{In}_{0.15}\text{O}_3$ manganite. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	8
94	Effect of titanium substitution on the structural, magnetic and magnetocaloric properties of $\text{La}_{0.67}\text{Ba}_{0.25}\text{Ca}_{0.08}\text{MnO}_3$ perovskite manganites. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	8
95	Simulation of the Slip Velocity Effect in an AC Electrothermal Micropump. <i>Micromachines</i> , 2020, 11, 825.	1.4	8
96	Experimental and theoretical study of methylene blue biosorption using a new biomaterial <i>Pergularia tomentosa</i> L. fruit. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 12039-12056.	1.8	8
97	Effects of target temperature on thermal damage during temperature-controlled MWA of liver tumor. <i>Case Studies in Thermal Engineering</i> , 2022, 31, 101821.	2.8	8
98	Numerical study of a piston-driven laminar flow and heat transfer in a pipe with a sudden expansion. <i>International Journal of Thermal Sciences</i> , 2003, 42, 591-604.	2.6	7
99	Classification of quantum authentication protocols and calculation of their complexity. , 2014, , .		7
100	3D Model Reconstruction of Blood Vessels in The Retina with Tubular Structure. <i>International Journal on Electrical Engineering and Informatics</i> , 2015, 7, 724-734.	0.3	7
101	A theoretical investigation of the exactness of Taylor length scale estimates from two-point LDV. <i>Experimental Thermal and Fluid Science</i> , 2000, 22, 45-53.	1.5	6
102	Three-Dimensional Reconstruction of Blood Vessels of the Human Retina by Fractal Interpolation. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2015, 6, 0310031-310035.	0.8	6
103	The magnetic field effect on the improvement of the binding reaction of C-reactive protein at the microfluidic channel surface of an SPR biosensor. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	6
104	Turbulence Length Scale Measurements by Two-Point Laser Doppler Anemometry in a Steady Flow. , 1991, , .		5
105	Accuracy of Taylor length scale measurements by two-point laser Doppler velocimetry: a theoretical study. <i>Flow Measurement and Instrumentation</i> , 2001, 12, 9-16.	1.0	5
106	A numerical study of the scalar field in turbulent round jet with co-flowing stream. <i>Computational Mechanics</i> , 2004, 34, 430-437.	2.2	5
107	Nonlinear optical characterization of tetraphenylporphyrin in the picosecond regime. , 2015, , .		5
108	Finite-Element Simulations of the pH-ElecFET Microsensors. <i>IEEE Sensors Journal</i> , 2016, 16, 6519-6526.	2.4	5

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109	New insights into the 6H-type hexagonal perovskite solid solution BaTiO ₃ : Influence of acceptor and donor doping on crystal structure and electrical properties. <i>Solid State Ionics</i> , 2017, 310, 154-165.	1.3	5
110	Colossal permittivity, impedance analysis, and optical properties in La _{0.67} Ba _{0.25} Ca _{0.08} Mn _{0.90} Ti _{0.10} O ₃ manganite. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 6520-6537.	1.1	5
111	Structural, double Jonscher response and Non-Debye-type relaxor behavior of Ba _{0.75} Sr _{0.25} Ti _{0.9} Zn _{0.2} O ₃ ceramic. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 23333-23348.	1.1	5
112	Nanoarchitectonics of Niobium-Doped, Lead-Free BLT (Ba _{0.97} La _{0.02} Ti _{0.98} Nb _{0.016} O ₃) for Electrical Properties with Unusual d.c Bias Voltage Independence. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 1681-1694.	1.9	5
113	Nanoarchitectonics of Lead-Free Ba _{0.97} La _{0.02} Ti _(1-x) Nb _{4x/5} O ₃ Based Ceramic with Dielectrical and Raman Scattering Properties Studies. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 3708-3724.	1.9	5
114	Analysis of the swirl effect on turbulent length scales in an ICE cylinder by two-point LDV. <i>International Journal of Heat and Fluid Flow</i> , 2001, 22, 417-423.	1.1	4
115	Scalar transport modelling in turbulent round jets with co-flowing stream. <i>International Journal of Thermal Sciences</i> , 2005, 44, 766-773.	2.6	4
116	Band offset calculations of Zn _x Se _{1-x} /Zn _y Se _{1-y} heterostructures. <i>Thin Solid Films</i> , 2008, 516, 1608-1612.	0.8	4
117	Performance evaluation of several anisotropic diffusion filters for fundus imaging. <i>International Journal of Intelligent Engineering Informatics</i> , 2015, 3, 66.	0.1	4
118	Effect of the substitution of titanium by niobium on the structural, electric and modulus properties in Ba _{0.97} La _{0.02} Ti _(1-x) Nb _{4x/5} O ₃ perovskites. <i>Journal of Molecular Structure</i> , 2022, 1264, 133273.	1.8	4
119	Computation of Cavitating Flows in a Diesel Injector. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010, 13, 012035.	0.3	3
120	Performance enhancement of a multi-effect desalination plant: A thermodynamic investigation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 535, 122535.	1.2	3
121	Influence of Joule effect on thermal response of nano FinFET transistors. <i>Superlattices and Microstructures</i> , 2021, 156, 106980.	1.4	3
122	ECG compression with Douglas-Peucker algorithm and fractal interpolation. <i>Mathematical Biosciences and Engineering</i> , 2021, 18, 3502-3520.	1.0	3
123	Modeling of heat transfer distribution in tumor breast cancer during microwave ablation therapy. <i>Microwave and Optical Technology Letters</i> , 2022, 64, 1364-1375.	0.9	3
124	Cationic dye removal using <i>Pergularia tomentosa</i> L. fruit: kinetics and isotherm characteristics using classical and advanced models. <i>Comptes Rendus Chimie</i> , 2022, 25, 61-79.	0.2	3
125	Low-cost <i>Limoniastrum monopetalum</i> fruits as efficient biosorbent of methylene blue from aqueous suspension. <i>Biomass Conversion and Biorefinery</i> , 0, , .	2.9	3
126	Effect of Ti Substitution on the Structural, Optical Spectroscopy, Dielectric and Optical Conductivity Properties of La _{0.67} Ba _{0.25} Ca _{0.08} Mn _{1-x} Ti _x O ₃ (x=0 or 0.05) Manganite Ceramic. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 3889-3901.	1.9	3

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127	How do packing defects modify the cooperative motions in supercooled liquids?. Chemical Physics, 2017, 490, 55-61.	0.9	2
128	3D Numerical Simulation of Binding Efficiency of Immunoassay for a Biosensor with Involving a Cylinder. Sensor Letters, 2018, 16, 498-505.	0.4	2
129	Low-field magnetocaloric effect in $\text{La}_{0.75}\text{Ca}_{0.25}\text{MnO}_3$ ($x=0.10$) perovskite. Phase Transitions, 2021, 94, 281-288.	0.6	2
130	Complex Permeability Measurements in a Nanocrystalline Toroidal Core. Journal of Modern Materials, 2016, 1, 2-8.	0.8	2
131	Numerical Study of Electro-Chemical System for Enzymatic Activities Detection. Sensor Letters, 2016, 14, 1079-1083.	0.4	2
132	Effects of high doping on the bandgap bowing for $\text{Al}_x\text{Ga}_{1-x}\text{N}$. Microelectronics Journal, 2006, 37, 1289-1292.	1.1	1
133	A new approach for generating compact thermal models. , 2014, , .		1
134	Third order nonlinear optical properties of oligophenylene dyads by open-aperture Z-scan technique. Optical and Quantum Electronics, 2014, 46, 7-13.	1.5	1
135	Relaxor ceramic with a high relative permittivity and low dielectric loss in Cr doped $\text{Ca}_{0.67}\text{La}_{0.22}\text{TiO}_3$. Journal of Alloys and Compounds, 2017, 726, 378-387.	2.8	1
136	Numerical modeling of surface plasmon resonance response of fiber optic sensors. , 2017, , .		1
137	Enhancing Efficiency of InGaN Nanowire Solar Cells by Applying Stress. Lecture Notes in Mechanical Engineering, 2018, , 1-9.	0.3	1
138	Three-dimensional Heisenberg critical phenomena in $\text{La}_{0.6}\text{Bi}_{0.1}\text{Sr}_{0.3}\text{Ca}_x\text{Mn}_{0.9}\text{Cu}_{0.1}\text{O}_3$ manganites ($x=0$ and 0.05). Journal of Materials Science: Materials in Electronics, 2020, 31, 18186-18197.	1.1	1
139	Investigation of Dual-Phase-Lag Model with Robin Boundary Condition in Metal-Oxide-Semiconductor-Field-Effect Transistor. Journal of Computational and Theoretical Nanoscience, 2018, 15, 3114-3117.	0.4	1
140	Nanoarchitectonics of $\text{Ba}_{0.97}\text{La}_{0.02}\text{Ti}_{1-x}\text{Nb}_{4x/5}\text{O}_3$ ($x=0.00$ and 0.10) polycrystalline compounds with electrical and optical properties. Journal of Materials Science: Materials in Electronics, 2022, 33, 18544-18555.	1.1	1
141	Estimation of the accuracy of Taylor length scale measurements by two-point LDV in reciprocating engines. Flow Measurement and Instrumentation, 2001, 12, 17-24.	1.0	0
142	The relative entropy as a tool to analyze the intrusion based on Bužek-Hillery machine. , 2011, , .		0
143	Effects of a magnetic field environment on quantum cloning of qubits. Quantum Information Processing, 2013, 12, 945-954.	1.0	0
144	Numerical investigation of microfluidic flow under AC applied electric field: Enhanced of binding reaction for a biosensor. , 2014, , .		0

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