

Abdelhakim Nafidi

List of Publications by Year in descending order

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49
papers

216
citations

1307366

7
h-index

1199470

12
g-index

50
all docs

50
docs citations

50
times ranked

174
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of isovalent substitutions and heat treatment on structural and superconducting properties of high-critical temperature superconductors. <i>Materials Today: Proceedings</i> , 2020, 22, 140-145.	0.9	0
2	Theoretical electronic band structures and transport in InAs/GaSb type II nanostructure superlattice for medium infrared detection. <i>Materials Today: Proceedings</i> , 2020, 22, 41-44.	0.9	1
3	Correlation Between Bands Structure and Quantum Magneto Transport Properties in InAs/GaxIn $1\hat{\sim}$ xSb Type II Superlattice for Infrared Detection. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	1
4	Manifestation of electronic transport transitions in nanostructure HgTe/CdTe type III superlattice for terahertz detection. , 2019, , .		0
5	Investigations in electronic quantum transport of quasi two dimensional InxGa1-xAs/InP nanostructure superlattice for infrared detection. <i>Superlattices and Microstructures</i> , 2019, 127, 54-60.	1.4	4
6	Correlation between electronic bands structure and magneto-transport properties of nanostructure type II superlattice for terahertz detection. <i>Superlattices and Microstructures</i> , 2019, 127, 151-156.	1.4	4
7	Critical Current Density and Vortex Pinning Strength in the \hat{P} -(BEDT-TTF) $_{2}$ Cu[N(CN) $_{2}$]Br Organic Superconductor. <i>Journal of Physical Science</i> , 2018, 29, 13-22.	0.5	1
8	Nanostructured L1 0 -CoPt dot arrays with perpendicular magnetic anisotropy. <i>Materials Letters</i> , 2017, 193, 108-111.	1.3	7
9	Investigation in band structures of GaAs/Al x Ga1 $\hat{\sim}$ x As nanostructures superlattices at high magnetic field and low temperatures. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	2
10	Electronic transport and band structures of GaAs/AlAs nanostructures superlattices for near-infrared detection. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	4
11	Electronic band structure and Shubnikov $\hat{\sim}$ de Haas effect in two-dimensional semimetallic InAs/GaSb nanostructure superlattice. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	3
12	Electronic Properties of GaAs/AlAs Nanostructure Superlattice for Near Infrared Devices at Low Temperatures. <i>Journal of Low Temperature Physics</i> , 2016, 182, 185-191.	0.6	10
13	Application of the transition semiconductor to semimetal in type II nanostructure superlattice for mid-infrared optoelectronic devices. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	7
14	Synthesis of In $_{2}$ S $_{3}$ thin films by spray pyrolysis from precursors with different [S]/[In] ratios. <i>Journal of Semiconductors</i> , 2014, 35, 063002.	2.0	17
15	Electrical properties and Pockels effect in BaTiO $_{3}$ /SrTiO $_{3}$ superlattices. <i>Optical and Quantum Electronics</i> , 2014, 46, 179-192.	1.5	2
16	Dielectric Spectroscopy of the Electroclinic Effect in the Ferroelectric Liquid Crystal Materials. <i>Spectroscopy Letters</i> , 2014, 47, 341-347.	0.5	2
17	Correlation Between Band Structure and Magneto- Transport Properties in HgTe/CdTe Two-Dimensional Far-Infrared Detector Superlattice. <i>Journal of Low Temperature Physics</i> , 2013, 171, 808-817.	0.6	3
18	MAGNETIZATION MEASUREMENTS IN THE 80 K TRANSFORMATION FOR DEUTERATED ORGANIC SUPERCONDUCTOR \hat{P} -(BEDT-TTF) $_{2}$ Cu[N(CN) $_{2}$]Br Modern Physics Letters B, 2013, 27, 1350037.	1.0	3

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19	Isovalent Substitution and Heat Treatments Control of T_c , Chain Oxygen Disorder and Structural Phase Transition in High T_c Superconductors $(Y_{1-x}Nd_x)SrBaCu_3O_{6+z}$. Journal of Low Temperature Physics, 2013, 171, 818-827.	0.6	0
20	Manifestation of the Transition Semiconductor-Semimetal and Intrinsic Interface State in Band Structure and Magneto-Transport Properties in Nanostructure Superlattice. Journal of Superconductivity and Novel Magnetism, 2012, 25, 2611-2617.	0.8	2
21	Correlation Between Enhanced T_c , the Unit Cell Volume and AC Magnetic Shielding in Argon Preheated $(Y_{1-x}Eu_x)(SrBa)_3O_{6+z}$. IEEE Transactions on Applied Superconductivity, 2011, 21, 2732-2736.	1.1	0
22	Electrical and optical properties of $PbTiO_3$ single crystals at room temperature. , 2011, , .		1
23	Correlation Between Enhanced T_c , AC Magnetic Irreversibility Line and Heat Treatment in High T_c Superconductors. IEEE Transactions on Applied Superconductivity, 2011, 21, 2727-2731.	1.1	1
24	Application of the transition semiconductor semimetal in modulated nanostructures for communication as infrared optoelectronic device. Physica B: Condensed Matter, 2010, 405, 936-940.	1.3	2
25	Electro-optic and dynamic studies of biphenyl benzoate ferroelectric liquid crystals. Physica B: Condensed Matter, 2010, 405, 2151-2156.	1.3	7
26	Electroclinic effect in the chiral smectic A and cholesteric phases at the proximity of a $N^*SmA^*SmC^*$ multicritical point. Liquid Crystals, 2010, 37, 1313-1319.	0.9	3
27	ENoise spectral density of single crystal YBaCuO films near to temperature of transition. Annales De Chimie: Science Des Materiaux, 2010, 35, 249-253.	0.2	0
28	Variable range hopping conductivity and negative magnetoresistance in n-type InP semiconductor. Solid-State Electronics, 2009, 53, 469-472.	0.8	21
29	Correlation Between Enhanced T_c , Orthorhombicity and the Volume of the Unit Cell in Argon Preheated $(Y_{1-x}Sm_x)(SrBaCu)_3O_{6+z}$. IEEE Transactions on Applied Superconductivity, 2009, 19, 2984-2987.	1.1	2
30	Theoretical Investigation of Spontaneous Polarization and Dielectric Constant of $BaTiO_3/SrTiO_3$ Superlattices. Ferroelectrics, 2009, 386, 41-49.	0.3	6
31	Correlation Between Enhanced T_c and Unit Cell Volume in High- T_c Superconductor $(Y_{1-x}Tj)ETQq110.784314rgBT/Overlock10Tf0.3$		
32	Dielectric Spectroscopy of the Goldstone-Mode Relaxation in the Surface-Stabilized Chiral Smectic C Phase in Ferroelectric Liquid Crystals. Ferroelectrics, 2008, 371, 104-109.	0.3	4
33	Surface and Interface Effects on the Dielectric Polarization and Refractive Indices of $BaTiO_3$ Ultrathin Films. Ferroelectrics, 2008, 371, 10-16.	0.3	0
34	Negative magnetoresistance in insulating CdSe and localized magnetic moments. Annales De Chimie: Science Des Materiaux, 2008, 33, 351-356.	0.2	0
35	Crossover phenomenon for variable range hopping conduction and positive magnetoresistance in insulating N-Type InP. Annales De Chimie: Science Des Materiaux, 2008, 33, 357-364.	0.2	5
36	Enhancement of T_c , Shielding and Irreversibility Line in Argon Preheated $(Ln)(Tj)ETQq000rgBT/Overlock10Tf00$ 3032-3035.	1.1	2

#	ARTICLE	IF	CITATIONS
37	Remarkable Influence of Heat Treatment on the Structural and Superconducting Properties of $\text{LnSrBaCu}_{3-x}\text{O}_{6+z}$. IEEE Transactions on Applied Superconductivity, 2007, 17, 2969-2972.	1.1	7
38	Remarkable influence of heat treatment on the structural and superconducting properties of $(\text{Y}_{1-x}\text{Pr}_x)(\text{BaSr})\text{Cu}_3\text{O}_{6+z}$. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 3069-3072.	0.8	0
39	Positive magnetoresistance in the variable range hopping regime in CdSe. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 32, 419-421.	1.3	18
40	Positive magnetoresistance behaviour in the insulating side of the metal-insulator transition in CdSe. Physica B: Condensed Matter, 2006, 373, 96-99.	1.3	9
41	Remarkable influence of heat treatment on the structural and superconducting properties of $(\text{Y}_{1-x}\text{Sm}_x)(\text{SrBa})\text{Cu}_3\text{O}_{6+z}$. Physica Status Solidi (B): Basic Research, 2005, 242, 916-923.	0.7	2
42	Analysis of the behaviour of magnetoresistance with magnetic field in corrective term $T_1/2$ of the metallic electrical conductivity in n-type InP. Physica Status Solidi (B): Basic Research, 2004, 241, 155-162.	0.7	5
43	Positive and negative magnetoresistance on both sides of the metal-insulator transition in metallic n-type InP. Semiconductor Science and Technology, 2003, 18, 69-74.	1.0	18
44	Some Transport Properties of HgTe/CdTe Superlattices. Physica Status Solidi (B): Basic Research, 2002, 229, 573-576.	0.7	5
45	Enhancement of orthorhombicity, T_c , shielding and irreversibility line in argon preheated $\text{Sm}(\text{SrBa})\text{Cu}_3\text{O}_{6+z}$. Physica C: Superconductivity and Its Applications, 2002, 383, 183-190.	0.6	4
46	Negative magnetoresistance in metallic n-type InP. Physica B: Condensed Matter, 2001, 304, 377-381.	1.3	2
47	Enhancement of orthorhombicity and superconductivity in argon preheated $\text{EuSrBaCu}_3\text{O}_{6+z}$. Physica C: Superconductivity and Its Applications, 1994, 225, 105-110.	0.6	14
48	Enhancement of T_c and the irreversibility line in argon pretreated $\text{LnSrBaCu}_3\text{O}_{6+z}$ (Ln=Nd,Eu,Sm). Physica C: Superconductivity and Its Applications, 1994, 235-240, 881-882.	0.6	5
49	Effects of Isovalent Substitutions and Heat Treatments on T_c , Orthorhombicity, Resistivity, AC Magnetic Shielding and Irreversibility Line in High- T_c Superconductors. , 0, , .		0