

# Abdelhadi Kassiba

## List of Publications by Year in descending order

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83  
papers

1,840  
citations

257450

24  
h-index

302126

39  
g-index

84  
all docs

84  
docs citations

84  
times ranked

2386  
citing authors

#	ARTICLE	IF	CITATIONS
1	Poling effect on the electrostrictive and piezoelectric response in CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> single crystals. Applied Physics Letters, 2021, 118, .	3.3	4
2	Microstructure effects on the energy storage density in BiFeO <sub>3</sub> -based ferroelectric ceramics. Ceramics International, 2021, 47, 12735-12741.	4.8	20
3	Controllable microstructure tailoring for regulating conductivity in Al-doped ZnO ceramics. Journal of the European Ceramic Society, 2020, 40, 349-354.	5.7	19
4	Large piezoelectricity and high Curie temperature in novel bismuth ferrite-based ferroelectric ceramics. Journal of the American Ceramic Society, 2020, 103, 6435-6444.	3.8	14
5	Relationship of Giant Dielectric Constant and Ion Migration in CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Single Crystal Using Dielectric Spectroscopy. Journal of Physical Chemistry C, 2020, 124, 13348-13355.	3.1	17
6	Defects and microstructure of highly conducting Al-doped ZnO ceramics obtained via spark plasma sintering. Journal of the European Ceramic Society, 2020, 40, 5529-5534.	5.7	14
7	Microstructure effects on the local order and electronic defects in (Al, Ti, Mg) co-doped ZnO conductive ceramics. Journal of the European Ceramic Society, 2020, 40, 5523-5528.	5.7	6
8	Large electromechanical strain at high temperatures of novel &lt;math>\text{BiFeGaO}_3\text{-BaTiO}_3</math> based ceramics. Journal of Materials Science and Technology, 2020, 48, 92-99.	10.7	14
9	Co-doping effects of (Al, Ti, Mg) on the microstructure and electrical behavior of ZnO-based ceramics. Journal of the American Ceramic Society, 2020, 103, 3194-3204.	3.8	9
10	Statistical experimental design to optimize RF-sputtered NiTiO <sub>3</sub> thin films. Journal of Materials Science: Materials in Electronics, 2020, 31, 7434-7444.	2.2	2
11	Latex copolymer-assisted synthesis of metal-doped TiO <sub>2</sub> mesoporous structures for photocatalytic applications under solar simulator. Journal of Materials Science: Materials in Electronics, 2020, 31, 4161-4169.	2.2	6
12	Enhanced electrical properties of BiFeO <sub>3</sub> -PbTiO <sub>3</sub> based ceramics with suitable raw material. Journal of Materials Science: Materials in Electronics, 2019, 30, 14500-14507.	2.2	1
13	The effect of grain boundary on the visible light absorption of BaTi <sub>1-x</sub> [Ni <sup>1/2</sup> Nb <sup>1/2</sup> ] <sub>x</sub> O <sub>3</sub> ferroelectric ceramics. Journal of the American Ceramic Society, 2019, 102, 7405-7413.	3.8	16
14	The interplay of phases, structural disorder and dielectric behavior in Al doped BiFeO <sub>3</sub> -BaTiO <sub>3</sub> ceramics. Journal of Alloys and Compounds, 2019, 796, 221-228.	5.5	22
15	Electronic active defects and local order in doped ZnO ceramics inferred from EPR and <sup>27</sup> Al NMR investigations. Journal of the European Ceramic Society, 2019, 39, 3070-3076.	5.7	20
16	Influence of defects on the photocatalytic behavior of La <sup>3+</sup> ions doped SrBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> ferroelectric materials. Journal of Applied Physics, 2019, 125, .	2.5	4
17	Investigations of the charge transfer phenomenon at the hybrid dye/BiVO <sub>4</sub> interface under visible radiation. RSC Advances, 2019, 9, 30698-30706.	3.6	4
18	Apparent ferroelectric-like and dielectric properties of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> synthesized in ambient air. Ferroelectrics, 2019, 553, 95-102.	0.6	6

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19	Structural and morphological data of RF-Sputtered BiVO <sub>4</sub> thin films. Data in Brief, 2018, 17, 526-528.	1.0	1
20	Structural and optical properties of Cr <sup>3+</sup> embedded in a P <sub>2</sub> O <sub>5</sub> –B <sub>2</sub> O <sub>3</sub> –ZnO–BaF <sub>2</sub> –AlF <sub>3</sub> fluoroborophosphate glasses. Materials Chemistry and Physics, 2018, 212, 461-470.	4.0	24
21	Nanostructured bismuth vanadate (BiVO <sub>4</sub> ) thin films for efficient visible light photocatalysis. Materials Chemistry and Physics, 2018, 205, 325-333.	4.0	50
22	Cu, Mo-doped and pristine-BiVO <sub>4</sub> thin films prepared by rf sputtering process for photocatalytic applications. Journal of Materials Science: Materials in Electronics, 2018, 29, 15770-15775.	2.2	4
23	On the local order of amorphous La <sub>2</sub> Mo <sub>2</sub> O <sub>6.7</sub> . Dalton Transactions, 2017, 46, 7273-7283.	3.3	3
24	Effects of metal doping (Cu, Ag, Eu) on the electronic and optical behavior of nanostructured TiO <sub>2</sub> . Journal of Alloys and Compounds, 2017, 710, 355-363.	5.5	117
25	Flexoelectric response in soft polyurethane films and their use for large curvature sensing. Journal of Applied Physics, 2017, 122, .	2.5	30
26	Silver Metallic Nanoparticles with Surface Plasmon Resonance: Synthesis and Characterizations. Journal of Cluster Science, 2017, 28, 1051-1069.	3.3	66
27	Rapid Synthesis of Silver Nanoparticles by Microwave-Polyol Method with the Assistance of Latex Copolymer. Journal of Cluster Science, 2017, 28, 1025-1040.	3.3	13
28	Nickel titanate (NiTiO <sub>3</sub> ) thin films: RF-sputtering synthesis and investigation of related features for photocatalysis. CrystEngComm, 2016, 18, 3229-3236.	2.6	38
29	Porous Coordination Polymer Based on Bipyridinium Carboxylate Linkers with High and Reversible Ammonia Uptake. Inorganic Chemistry, 2016, 55, 8587-8594.	4.0	46
30	High Energy Ball-Milling Synthesis of Nanostructured Ag-Doped and BiVO <sub>4</sub> -Based Photocatalysts. ChemistrySelect, 2016, 1, 1278-1286.	1.5	20
31	Electronic, optical and vibrational features of BiVO <sub>4</sub> nanostructures investigated by first-principles calculations. RSC Advances, 2016, 6, 110695-110705.	3.6	12
32	Bipyridinium-bis(carboxylate) Radical Based Materials: X-ray, EPR and Paramagnetic Solid-State NMR Investigations. European Journal of Inorganic Chemistry, 2016, 2016, 1036-1043.	2.0	16
33	Comparison of nickel titanate (NiTiO <sub>3</sub> ) powders synthesized by sol-gel and solid state reaction. Materials Science in Semiconductor Processing, 2015, 37, 171-178.	4.0	55
34	Deposition and characterization of graded Cu(In <sub>1-x</sub> Ga <sub>x</sub> )Se <sub>2</sub> thin films by spray pyrolysis. Materials Chemistry and Physics, 2015, 162, 59-68.	4.0	22
35	Structural, electronic and optical features of molybdenum-doped bismuth vanadium oxide. Materials Science in Semiconductor Processing, 2015, 31, 618-623.	4.0	48
36	Visible-light photocatalytic activity of nitrogen-doped NiTiO <sub>3</sub> thin films prepared by a co-sputtering process. RSC Advances, 2015, 5, 10551-10559.	3.6	63

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37	Vibrational and electronic peculiarities of NiTiO <sub>3</sub> nanostructures inferred from first principle calculations. RSC Advances, 2015, 5, 17396-17404.	3.6	37
38	Structural Properties of Ultrasonically Sprayed Al-Doped ZnO (AZO) Thin Films: Effect of ZnO Buffer Layer on AZO. Journal of Electronic Materials, 2015, 44, 699-705.	2.2	13
39	Effect of sodium doping on graded Cu(In <sub>1-x</sub> Ga <sub>x</sub> )Se <sub>2</sub> thin films prepared by chemical spray pyrolysis. Materials Science in Semiconductor Processing, 2015, 37, 37-45.	4.0	13
40	Structural and optical characterization of ball-milled copper-doped bismuth vanadium oxide (BiVO <sub>4</sub> ). CrystEngComm, 2015, 17, 3366-3375.	2.6	101
41	Photo- and Thermo-chromic and Adsorption Properties of Porous Coordination Polymers Based on Bipyridinium Carboxylate Ligands. Inorganic Chemistry, 2015, 54, 8923-8930.	4.0	108
42	Lu <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> glass ceramic films: Synthesis, structural and spectroscopic studies. Materials Research Bulletin, 2014, 51, 418-425.	5.2	12
43	Cluster Approach To Model Titanium Dioxide as Isolated or Organic Dye Sensitized Nanoobjects. Journal of Physical Chemistry C, 2014, 118, 6009-6018.	3.1	17
44	Origin of temperature independent piezoelectric coefficient in Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -BaTiO <sub>3</sub> -PbTiO <sub>3</sub> ceramics. Journal of Applied Physics, 2013, 114, 074105.	2.5	3
45	Solid-State NMR Correlation Experiments and Distance Measurements in Paramagnetic Metalorganics Exemplified by Cu-Cyclam. ChemPhysChem, 2013, 14, 1864-1870.	2.1	20
46	Direct photocurrent generation from nitrogen doped TiO <sub>2</sub> electrodes in solid-state dye-sensitized solar cells: Towards optically-active metal oxides for photovoltaic applications. Solar Energy Materials and Solar Cells, 2013, 117, 624-631.	6.2	42
47	Dielectric behavior, conduction and EPR active centres in BiVO <sub>4</sub> nanoparticles. Journal of Physics and Chemistry of Solids, 2013, 74, 1695-1702.	4.0	25
48	Titanium oxide based mesoporous powders and gels: Doping effects and photogenerated charge transfer. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 1446-1451.	3.5	7
49	Mechanochemical synthesis of nanostructured BiVO <sub>4</sub> and investigations of related features. Materials Chemistry and Physics, 2012, 135, 842-848.	4.0	53
50	EPR investigations of silicon carbide nanoparticles functionalized by acid doped polyaniline. Physica B: Condensed Matter, 2012, 407, 2119-2125.	2.7	5
51	Structure and optical features of silicon carbide nanocrystals confined in alumina matrices. Physica B: Condensed Matter, 2011, 406, 4500-4504.	2.7	4
52	Nanostructured thin films of indium oxide nanocrystals confined in alumina matrixes. Thin Solid Films, 2011, 519, 2141-2145.	1.8	3
53	Mesoporous Silica Functionalized by Cyclam-Metal Groups: Spectroscopic Studies and Numerical Modeling. Journal of Inorganic and Organometallic Polymers and Materials, 2010, 20, 761-773.	3.7	5
54	EPR study of nitrogen-doped mesoporous TiO <sub>2</sub> powders. Journal of Physics and Chemistry of Solids, 2010, 71, 1-6.	4.0	20

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55	Electronic and optical features of N,Nâ€²-bis(4-aminophenyl)1,4-quinonediimine doped with silicotungsten polyacid: Experimental and numerical studies. <i>Chemical Physics Letters</i> , 2010, 497, 76-80.	2.6	1
56	Multi-approach Electron Paramagnetic Resonance Investigations of UV-Photoinduced $Ti^{3+}$ in Titanium Oxide-Based Gels. <i>Journal of Physical Chemistry B</i> , 2010, 114, 4424-4431.	2.6	25
57	Formation and properties of nano- and micro-structured conducting polymer hostâ€“guest composites. <i>Synthetic Metals</i> , 2009, 159, 2253-2258.	3.9	8
58	Intrinsic defects in SiC nanoparticles as studied by pulsed electron paramagnetic resonance. <i>Solid State Communications</i> , 2008, 146, 83-87.	1.9	3
59	Hybrid Coreâ€“Shell Nanocomposites Based on Silicon Carbide Nanoparticles Functionalized by Conducting Polyaniline:â€“ Electron Paramagnetic Resonance Investigations. <i>Journal of Physical Chemistry C</i> , 2007, 111, 11544-11551.	3.1	39
60	New Aspects of the Low-Concentrated Aniline Polymerization in the Solution and in SiC Nanocrystals Dispersion. <i>Journal of Physical Chemistry B</i> , 2007, 111, 2174-2180.	2.6	30
61	EPR investigations of mesoporous silica doped with metal transitions ions. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 875-881.	4.0	7
62	Dielectric and EPR investigations of stoichiometry and interface effects in silicon carbide nanoparticles. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 1143-1155.	1.8	13
63	Electro-optic phenomena in guestâ€“host films of PMMA and SiC nanocrystals. <i>Optics Communications</i> , 2005, 246, 415-420.	2.1	7
64	Influence of silicon and carbon excesses on the aqueous dispersion of SiC nanocrystals for optical application. <i>Journal of Nanoparticle Research</i> , 2005, 7, 275-285.	1.9	30
65	Vibrational density of states in silicon carbide nanoparticles: experiments and numerical simulations. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 5101-5110.	1.8	26
66	EPR investigations of oxidation effects in $(V_{1-x}Mox)_2O_3$ . <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 1809-1815.	4.0	2
67	Linear Electro-Optical Effects in the Hybrid Matrices Polymer/SiC Nanocrystals. <i>Solid State Phenomena</i> , 2003, 94, 115-124.	0.3	7
68	Stoichiometry and interface effects on the electronic and optical properties of SiC nanoparticles. <i>Diamond and Related Materials</i> , 2002, 11, 1243-1247.	3.9	26
69	Local electrooptic effect of the SiC large-sized nanocrystallites incorporated in polymer matrices. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002, 302, 196-202.	2.1	27
70	Origin of Nonlinear Optical Susceptibility in SiC Nanocrystallites. <i>Journal of Cluster Science</i> , 2001, 12, 399-419.	3.3	20
71	Conduction and dielectric behaviour of SiC nano-sized materials. <i>Solid State Communications</i> , 2000, 115, 389-393.	1.9	43
72	Vacancies in SiC nanopowders. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2000, 77, 147-158.	3.5	19

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73	SiC nanocrystals embedded in oligoetheracrylate photopolymer matrices; new promising nonlinear optical materials. <i>Optical Materials</i> , 2000, 13, 449-453.	3.6	66
74	Band structure of large-sized SiC nanocomposites. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 265, 403-410.	2.1	61
75	Investigation of the paramagnetic centres and electronic properties of silicon carbide nanomaterials. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 4887-4897.	1.8	32
76	EPR study of $K_2ZnCl_4$ in incommensurate phase. <i>Ferroelectrics</i> , 1999, 222, 221-225.	0.6	0
77	EPR investigations of SiC and SiOC nanometric powders. <i>Applied Magnetic Resonance</i> , 1997, 12, 255-267.	1.2	6
78	Static and dynamic effects in the EPR spectra of $[A(H_2O)_6]BF_6$ systems. <i>Applied Magnetic Resonance</i> , 1997, 12, 307-316.	1.2	0
79	Electron paramagnetic resonance investigations of $MgSiF_6 \cdot 6H_2O:Mn^{2+}$ single crystals. <i>Journal of Physics Condensed Matter</i> , 1995, 7, 3339-3353.	1.8	14
80	Critical behaviour of $Rb_2ZnCl_4:Mn^{2+}$ near Ti through E. P. R. spectroscopy. <i>Ferroelectrics</i> , 1992, 125, 105-110.	0.6	0
81	ESR and X-rays investigations of the incommensurate-commensurate phase transition in $Rb_2ZnCl_4$ and $[Rb(1-x)K_x]_2ZnCl_4$ . <i>Ferroelectrics</i> , 1992, 125, 367-372.	0.6	2
82	E.P.R. in incommensurate phases: Plane wave modulation-multisoliton regime devil's stair case and critical phenomena. <i>Phase Transitions</i> , 1991, 31, 11-19.	1.3	2
83	Metastable states in the narrow soliton regime of $Rb_2ZnCl_4:Mn^{2+}$ inferred from ESR measurements. <i>Physical Review B</i> , 1989, 40, 54-58.	3.2	10