Athipong Ngamjarurojana

List of Publications by Year
in descending order

104	1,001	567281 15	552781 26
papers	citations	h-index	g-index

104	104	104	896
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Compressive strength and chloride resistance of self-compacting concrete containing high level fly ash and silica fume. Materials & Design, 2014, 64, 261-269.	5.1	197
2	A compact pulse-modulation cold air plasma jet for the inactivation of chronic wound bacteria: development and characterization. Heliyon, 2019, 5, e02455.	3.2	42
3	Influence of barium titanate content and particle size on electromechanical coupling coefficient of lead-free piezoelectric ceramic-Portland cement composites. Ceramics International, 2013, 39, S47-S51.	4.8	34
4	Lanthanide Coordination Polymers of Mixed Phthalate/Adipate for Ratiometric Temperature Sensing in the Upper-Intermediate Temperature Range. Inorganic Chemistry, 2018, 57, 2620-2630.	4.0	33
5	Dielectric, ferroelectric and induced strain behavior of PLZT 9/65/35 ceramics modified by Bi2O3 and CuO co-doping. Ceramics International, 2016, 42, 10690-10696.	4.8	28
6	Dielectric and piezoelectric properties of 1â€“3 non-lead barium zirconate titanate-Portland cement composites. Ceramics International, 2013, 39, S53-S57.	4.8	27
7	Dielectric Properties of BaTiO₃-Modified BiFeO₃Ceramics. Ferroelectrics, 2010, 410, 75-81.	0.6	26
8	Effects of uniaxial stress on dielectric properties of ferroelectric ceramics. Current Applied Physics, 2006, 6, 520-524.	2.4	25
9	Poling effects and piezoelectric properties of PVDF-modified 0â€“3 connectivity cement-based/lead-free 0.94(Bi0.5Na0.5)TiO3â€“0.06BaTiO3 piezoelectric ceramic composites. Journal of Materials Science, 2018, 53, 345-355.	3.7	23
10	Acoustic and Piezoelectric Properties of 0-3 Barium Zirconate Titanate-Portland Cement Composites-Effects of BZT Content and Particle Size. Ferroelectrics, 2013, 455, 69-76.	0.6	21
11	Microstructure, dielectric and piezoelectric properties of 0â€“3 lead free barium zirconate titanate ceramic-Portland fly ash cement composites. Ceramics International, 2018, 44, 76-82.	4.8	20
12	Piezoelectric properties of low temperature sintering in Pb(Zr,Ti)O3â€“Pb(Zn,Ni)1/3Nb2/3O3 ceramics for piezoelectric transformer applications. Ceramics International, 2008, 34, 705-708.	4.8	19
13	Changes in ferroelectric properties of ceramics in lead magnesium niobateâ€“lead titanate system with compressive stress. Journal of Applied Physics, 2008, 104, 064107.	2.5	18
14	Effect of Soaking Time on Phase Formation and Electrical Properties of PLZT Based Ceramics. Ferroelectrics, 2013, 457, 16-22.	0.6	17
15	Influence of carbon nanotubes on the performance of bismuth sodium titanate-bismuth potassium titanate-barium titanate ceramic/cement composites. Ceramics International, 2017, 43, S75-S78.	4.8	17
16	Surface Enhanced Raman Scattering in Graphene Quantum Dots Grown via Electrochemical Process. Molecules, 2021, 26, 5484.	3.8	17
17	Effect of Li and Bi co-doping and sintering temperature on dielectric properties of PLZT 9/65/35 ceramics. Ceramics International, 2017, 43, 4450-4455.	4.8	16
18	Fabrication and performance investigation of 2-2 connectivity lead-free barium zirconate titanateâ€“Portland cement composites. Ceramics International, 2014, 40, 8723-8728.	4.8	15

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19	Study of aging behavior of 9/70/30 and 9/65/35 PLZT by optical interferometric technique. Ceramics International, 2015, 41, 7536-7542.	4.8	15
20	Ferroelectric properties of Pb(Zr1/2Ti1/2)O3â€“Pb(Zn1/3Nb2/3)O3 ceramics under compressive stress. Current Applied Physics, 2009, 9, 249-252.	2.4	13
21	Dielectric and ferroelectric properties of 0.8PZTâ€“0.2PCN ceramics under sintering conditions variation. Current Applied Physics, 2009, 9, 1165-1169.	2.4	13
22	Influence of low external magnetic field on electric field induced strain behavior of 9/70/30, 9/65/35 and 9/60/40 PLZT ceramics. Ceramics International, 2016, 42, 13223-13231.	4.8	13
23	Effect of composition and grain size on dielectric, ferroelectric and induced strain behavior of PLZT/ZrO2 composites. Ceramics International, 2018, 44, 6343-6353.	4.8	13
24	Dielectric and piezoelectric properties of 2-2 connectivity lead-free piezoelectric ceramic Bi0.5Na0.5TiO3/Portland cement composites. Ceramics International, 2018, 44, S220-S223.	4.8	13
25	Scaling Behavior of Dynamic Ferroelectric Hysteresis in Soft PZT Ceramic: Stress Dependence. Ferroelectrics, 2007, 358, 3-11.	0.6	12
26	Effects of Parallel and Perpendicular Compressive Stresses on the Dielectric and Ferroelectric Properties of Soft PZT Ceramics. Ferroelectrics, 2010, 400, 144-154.	0.6	12
27	Microstructure and performance of 1â€“3 connectivity environmental friendly lead-free BNBK-Portland cement composites. Materials Research Bulletin, 2017, 90, 59-65.	5.2	11
28	Optical spectroscopic investigations of neodymium and erbium added bismuth silicate glasses. Optik, 2019, 178, 111-116.	2.9	11
29	Effect of polyvinylidene fluoride on the acoustic impedance matching, poling enhancement and piezoelectric properties of 0â€“3 smart lead-free piezoelectric Portland cement composites. Journal of Electroceramics, 2020, 44, 232-241.	2.0	11
30	Acoustic, Dielectric and Piezoelectric Properties of 1â€“3 Connectivity Barium Titanate-Portland Cement Composites. Ferroelectrics, 2013, 452, 76-83.	0.6	10
31	Dielectric properties of PFNâ€“PZT composites: From relaxor to normal ferroelectric behavior. Ceramics International, 2018, 44, 14797-14802.	4.8	10
32	Synthesis, formation and characterization of lead zinc niobateâ€“lead zirconate titanate powders via a rapid vibro-milling method. Journal of Electroceramics, 2008, 21, 786-790.	2.0	9
33	Effects of Zr/Ti ratio on dielectric and ferroelectric properties of 0.8Pb(ZrxTi1â^'x)O3â€“0.2Pb(Co1/3Nb2/3)O3 ceramics. Current Applied Physics, 2009, 9, 802-806.	2.4	9
34	Thermal expansion behaviors of 0â€“3 connectivity lead-free barium zirconate titanate-Portland cement composites. Ceramics International, 2017, 43, S129-S135.	4.8	9
35	Spectroscopic property and color of bismuth silicate glasses with addition of 3d transition metals. Materials Letters, 2018, 229, 174-177.	2.6	9
36	Gas Adsorption, Proton Conductivity, and Sensing Potential of a Nanoporous Gadolinium Coordination Framework. Inorganic Chemistry, 2020, 59, 3053-3061.	4.0	9

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37	Dynamic Hysteresis Scaling in BaTiO₃ Bulk Ceramics. Key Engineering Materials, 0, 421-422, 399-402.	0.4	8
38	Crystal-structure dependent domain-switching behavior in BaTiO₃ ceramic. Smart Materials and Structures, 2014, 23, 085022.	3.5	8
39	Effect of PbO/CuO Addition to Microstructure and Electrical Properties of PLZT 9/65/35. Ferroelectrics, 2015, 486, 57-65.	0.6	8
40	Microstructure and electrical properties of 0-3 connectivity barium titanateâ˜Portland cement composite with 40% barium titanate content. Ferroelectrics, Letters Section, 2016, 43, 59-64.	1.0	8
41	A Multi-Electron Transporting Layer for Efficient Perovskite Solar Cells. Coatings, 2021, 11, 1020.	2.6	8
42	Interface modification of SnO₂ layer using pâ€“n junction double layer for efficiency enhancement of perovskite solar cell. Journal Physics D: Applied Physics, 2020, 53, 505103.	2.8	8
43	Influences of perpendicular compressive stress on the dielectric and ferroelectric properties of electrostrictive and piezoelectric Pb(Mg1/3Nb2/3)O3-PbTiO3 ceramics. Journal of Applied Physics, 2008, 104, 034101.	2.5	7
44	Changes in ferroelectric properties of lead indium niobate-lead titanate ceramics under compressive stress applied perpendicular to an electric field. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 1147-1153.	2.1	7
45	Acoustic and electrical properties of 1â€“3 connectivity bismuth sodium titanateâ€“Portland cement composites. Materials Research Bulletin, 2014, 60, 353-358.	5.2	7
46	Effect of temperature on loss mechanism of 0.7PMNâ€“0.3PZT ceramics. Sensors and Actuators A: Physical, 2015, 236, 19-24.	4.1	7
47	Electrocaloric properties of Bi and Cu doped PLZT 9/65/35 ceramics at low electric field. Ceramics International, 2020, 46, 5252-5261.	4.8	7
48	A surface dielectric barrier discharge non-thermal plasma to induce cell death in colorectal cancer cells. AIP Advances, 2021, 11, .	1.3	7
49	Air to H2-N2 Pulse Plasma Jet for In-Vitro Plant Tissue Culture Process: Source Characteristics. Plasma Chemistry and Plasma Processing, 2022, 42, 535-559.	2.4	7
50	Dielectric Properties of Pb(Zr_{1/2}Ti_{1/2})O₃â˜Pb(Zn_{1/3}Nb_{2/3})O₃ Ceramics Under Compressive Stress. Ferroelectrics, 2007, 355, 257-263.	0.6	6
51	Microstructure and dielectric properties of Zn3Nb2O8 ceramics prepared by a two-stage sintering method. Ceramics International, 2013, 39, S331-S334.	4.8	6
52	Effect of Particle Size on Dielectric Properties and Hysteresis Behavior of 0-3 Barium Zirconate Titanate-Portland Cement Composites. Integrated Ferroelectrics, 2013, 148, 131-137.	0.7	6
53	Investigation on the Dielectric Properties of 0â€“3 Lead Zirconate Titanate-Geopolymer Composites. Ferroelectrics, 2013, 451, 84-89.	0.6	6
54	Efficiency enhancement of perovskite solar cell by using pre-heat treatment in two-step deposition method. Thin Solid Films, 2019, 684, 9-14.	1.8	6

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55	Temperature and induced electric field dependence on the phase transition of 9/70/30, 9/65/35 and 9/60/40 PLZT ceramics. Phase Transitions, 2018, 91, 461-468.	1.3	5
56	Extended X-Ray Absorption Fine Structure and X-Ray Diffraction Studies of Mn-Doped PZN-PZT Ceramics. Ferroelectrics, 2010, 405, 50-56.	0.6	4
57	Acoustic and dielectric properties of 0â€“3 bismuth sodium titanate-bismuth potassium titanate-barium titanate/cement composites. Ferroelectrics, Letters Section, 2015, 43, 77-81.	1.0	4
58	Effect of Sintering Condition on Electrical Properties of PLZT Ceramics. Key Engineering Materials, 2016, 675-676, 522-526.	0.4	4
59	Effect of Calcination Conditions on Phase Formation and Characterization of BiFeO₃-BaTiO₃ Powders Synthesized by a Solid-State Reaction. Advanced Materials Research, 0, 55-57, 241-244.	0.3	3
60	Effects of Compressive Stress on Dielectric Properties of Lead-Free (Bi_{1/2}Na_{1/2})TiO₃-(K_{1/2}Na<sub>1/2 Ceramic Systems. Key Engineering Materials, 0, 421-422, 54-57.	0.4	3
61	Surface Characterization of PZN Ceramics Prepared by a Columbite B-Site Precursor. Ferroelectrics, 2010, 405, 76-81.	0.6	3
62	Dielectric Relaxation Time Behavior of B-site Hybrid-doped BaTiO3Ceramics. Ferroelectrics, 2014, 458, 56-63.	0.6	3
63	Effect of Zr/Ti Ratio on Electrical Properties of Pb_{0.91}La_{0.}₀₉(Zr_xTi_{1-x})O₃ Ceramics. Applied Mechanics and Materials, 2015, 804, 42-46.	0.2	3
64	Acoustic impedance and electromechanical coupling coefficient of 2-2 parallel connectivity barium titanate piezoelectric ceramic-Portland cement composites. Integrated Ferroelectrics, 2016, 176, 85-94.	0.7	3
65	Effect of graphite on poling time and electrical properties of barium zirconate titanate-Portland cement composites. Ferroelectrics, 2018, 526, 161-167.	0.6	3
66	Crystal structures and temperature-dependent photoluminescence of lanthanide coordination frameworks of mixed-benzenedicarboxylates. Journal of Coordination Chemistry, 2020, 73, 333-345.	2.2	3
67	Scaling Behavior of Dynamic Hysteresis in Hard PZT Bulk Ceramics under Influence of Compressive Stress. Advanced Materials Research, 0, 55-57, 281-284.	0.3	2
68	Changes in Dielectric Properties of Pb(Zr_{1/2}Ti_{1/2})O₃-Pb(Co_{1/3}Nb_{2/3})O₃ Ceramics Under Compressive Stress Applied Parallel and Perpendicular to Electric Field. Ferroelectrics, 2009, 383, 174-182.	0.6	2
69	Measurement of thermal strain and total polarization estimation of lead zirconate titanateâ€“lead zinc niobate ceramics. Journal of Materials Science, 2012, 47, 5801-5805.	3.7	2
70	Characterization of 0.93Pb(Zn1/3Nb2/3)O3â€“0.07BaTiO3 ceramics derived from a novel Zn3Nb2O8 B-site precursor. Ceramics International, 2013, 39, S325-S329.	4.8	2
71	Effect of Dielectric Properties and Elastic Strain Behavior on x/65/35 PLZT Ceramics in Lanthanum (x) Ions Contents. Advanced Materials Research, 2014, 936, 115-118.	0.3	2
72	Optical Interferometric Technique for Induced Strain Ferroelectric Loop Study at Low Frequency. Advanced Materials Research, 2014, 936, 110-114.	0.3	2

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73	Dielectric and Ferroelectric Behavior in 8/40/60 PLZT Ceramics. Advanced Materials Research, 2014, 936, 119-122.	0.3	2
74	Study of Stress Distribution in Homogeneous Plastic by Photoelastic Analysis System. Key Engineering Materials, 2016, 675-676, 708-711.	0.4	2
75	Effect of hybrid doping on dielectric behavior of barium titanate ceramics. Integrated Ferroelectrics, 2016, 175, 96-101.	0.7	2
76	Temperature dependence on inducedâ˜'strain behaviour of PMNâ˜'PT ceramics. Ferroelectrics, Letters Section, 2016, 43, 12-18.	1.0	2
77	ELECTROLYTIC EFFECT ON GROWTH OF GRAPHENE QUANTUM DOTS VIA ELECTROCHEMICAL PROCESS. Surface Review and Letters, 0, , .	1.1	2
78	Comparative Study in Ca₃Co₄O₉ and CaMnO₃ Perovskite Structure-Based Thermoelectric Oxide. Integrated Ferroelectrics, 2022, 223, 81-93.	0.7	2
79	Effect of Sintering Temperature on Phase Formation, Dielectric, Piezoelectric, and Ferroelectric Properties of Nb-Doped Pb(Zr0.52Ti0.48)O3Ceramics. Ferroelectrics, 2007, 358, 35-41.	0.6	1
80	Effect of Compressive Stress on Ferroelectric Aging Behavior of Hybrid-Doped Fe³⁺/Nb⁵⁺ BaTiO₃ Ceramics. Key Engineering Materials, 0, 421-422, 259-262.	0.4	1
81	Ferroelectric Properties of Pb(Zr_{1/2}Ti_{1/2})O₃-Pb(Zn_{1/3}Nb<sub> Ceramics under Compressive Stress Applied Perpendicular to Electric Field. Key Engineering Materials, 0, 421-422, 411-414.	0.4	1
82	The Debye Dielectric Behavior of Mixed Normal and Relaxor-Ferroelectrics: Monte Carlo Investigation. Ferroelectrics, 2010, 401, 239-245.	0.6	1
83	Dielectric and Ferroelectric Properties of Pb(Zr1/2Ti1/2)O3-Pb(Ni1/3Nb2/3)O3 Ceramics Under Perpendicular Compressive Stress. Integrated Ferroelectrics, 2010, 114, 25-34.	0.7	1
84	Effect of La2O3Addition on Electrical Properties of PZN-PZT Based Ceramics. Ferroelectrics, 2013, 457, 9-15.	0.6	1
85	Dimer formation effect on the red-shift in fluorescent spectra of dye solutions. Proceedings of SPIE, 2015, , .	0.8	1
86	Inner Filter Effect on Fluorescence Dyes Spectra in Methanol Solution. Key Engineering Materials, 0, 675-676, 704-707.	0.4	1
87	Temperature Dependence of Electric Field Induced Strain in PLZT 9/65/35 Ceramics. Key Engineering Materials, 2016, 675-676, 643-646.	0.4	1
88	Optical and photocatalytic properties of bismuth vanadate doped bismuth silicate glasses. Optik, 2019, 182, 496-499.	2.9	1
89	Temperature dependence on ferroelectric properties and strain performance of PLZT ceramics containing 9â€...mol% La. Phase Transitions, 2020, 93, 678-689.	1.3	1
90	Effect of sintering temperature on phase formation and dielectric property of modified PLZT ceramics with addition of BT and PZN. Phase Transitions, 0, , 1-9.	1.3	1

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91	Dielectric Properties of Pb(Zr_{1/2}Ti_{1/2})O₃-Pb(Zn_{1/3}Nb_{2/3})O₃Ceramics Under Compressive Stress Applied Perpendicular to Electric Field. Ferroelectrics, 2009, 384, 84-92.	0.6	0
92	Effect of Sb2O5Addition on Phase Formation and Characterization of (Bi1/2Na1/2)TiO3-(K1/2Na1/2)NbO3Ceramics. Ferroelectrics, 2009, 382, 173-181.	0.6	0
93	Effect of Vibro-Milling Time on Phase Formation and Particle Size of ZnNbO₆ Nano-Powders. Key Engineering Materials, 0, 421-422, 550-553.	0.4	0
94	Thermal Expansion and Polarization Behavior in Lead Titanate/Zinc Oxide Nanocomposite Ceramics. Key Engineering Materials, 0, 547, 107-113.	0.4	0
95	Investigation of the Fluorescence Spectra of the Fluorescent Dyes. Advanced Materials Research, 0, 936, 2007-2010.	0.3	0
96	Effect of PZN Addition on Piezoelectric and Ferroelectric Properties of Pb (Zr_{1/2}Ti_{1/2})O₃ Ceramics. Advanced Materials Research, 2014, 936, 101-104.	0.3	0
97	Effect of External Magnetic Field on Dielectric Spectroscopy of Modified PZT Ceramics. Advanced Materials Research, 2014, 936, 105-109.	0.3	0
98	Magnetic Field Dependent Dielectric Properties in Ba(Ti_{0.99-x}Mn_{0.01}Ta_x)O₃ Ceramics. Applied Mechanics and Materials, 2015, 804, 71-74.	0.2	0
99	Effect of Barium Titanate Additives on Dielectric Property of PLZT Ceramics. Applied Mechanics and Materials, 2015, 804, 21-24.	0.2	0
100	Effect of Sintering Temperature on Phase Formation and Dielectric Properties of PLZT-BT Ceramics. Advanced Materials Research, 0, 1120-1121, 7-10.	0.3	0
101	Study of stress distribution on a circular disk by photostress analysis. , 2015, , .		0
102	Structure Properties Relationship of Pb_{0.92}La_{0.08}(Zr_{0.4}Ti_{0.6})_{0.98}O₃ Ceramics. Key Engineering Materials, 2016, 675-676, 627-630.	0.4	0
103	Phase formation investigation in PZT materials by Synchrotron X-ray absorption spectroscopy techniques. Integrated Ferroelectrics, 2017, 177, 69-73.	0.7	0
104	Lowering Synthesis Temperature of BaTiO₃-Bi(Zn_{0.5}Zr_{0.5})O₃ Ceramics by Salt Flux Assistance and Dielectric Properties Investigations. Integrated Ferroelectrics, 2022, 223, 162-172.	0.7	0