

Haoshuang Gu

List of Publications by Year in descending order

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158
papers

5,277
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81900

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162
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162
docs citations

162
times ranked

7444
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen Gas Sensors Based on Semiconductor Oxide Nanostructures. <i>Sensors</i> , 2012, 12, 5517-5550.	3.8	358
2	Sol-gel-derived c-axis oriented ZnO thin films. <i>Thin Solid Films</i> , 1998, 312, 37-39.	1.8	339
3	Intercrossed Carbon Nanorings with Pure Surface States as Low-Cost and Environment-Friendly Phosphors for White-Light-Emitting Diodes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1759-1764.	13.8	238
4	Recent Development of Sandwich Assay Based on the Nanobiotechnologies for Proteins, Nucleic Acids, Small Molecules, and Ions. <i>Chemical Reviews</i> , 2014, 114, 7631-7677.	47.7	230
5	Ultraviolet Detectors Based on Wide Bandgap Semiconductor Nanowire: A Review. <i>Sensors</i> , 2018, 18, 2072.	3.8	222
6	Novel electrochemical aptamer biosensor based on an enzyme-gold nanoparticle dual label for the ultrasensitive detection of epithelial tumour marker MUC1. <i>Biosensors and Bioelectronics</i> , 2014, 53, 384-389.	10.1	132
7	Highly Responsive Room-Temperature Hydrogen Sensing of MoO_3 Nanoribbon Membranes. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 9247-9253.	8.0	125
8	Fast and highly-sensitive hydrogen sensing of Nb ₂ O ₅ nanowires at room temperature. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 4526-4532.	7.1	118
9	Synthesis, growth mechanism and optical properties of (K,Na)NbO ₃ nanostructures. <i>CrystEngComm</i> , 2010, 12, 3157.	2.6	117
10	Near-Infrared Plasmonic 2D Semimetals for Applications in Communication and Biology. <i>Advanced Functional Materials</i> , 2016, 26, 1793-1802.	14.9	114
11	2D Cs ₂ PbI ₂ Cl ₂ Nanosheets for Holistic Passivation of Inorganic CsPbI ₂ Br Perovskite Solar Cells for Improved Efficiency and Stability. <i>Advanced Energy Materials</i> , 2020, 10, 2002882.	19.5	105
12	Facile preparation, formation mechanism and microwave absorption properties of porous carbonyl iron flakes. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3769-3776.	5.5	92
13	Advances in Alternating Current Electroluminescent Devices. <i>Advanced Optical Materials</i> , 2019, 7, 1801154.	7.3	92
14	Piezoelectric properties of Mn-doped (Na _{0.5} Bi _{0.5}) _{0.92} Ba _{0.08} TiO ₃ ceramics. <i>Materials Letters</i> , 2005, 59, 1649-1652.	2.6	91
15	Ultra-fast and highly selective room-temperature formaldehyde gas sensing of Pt-decorated MoO ₃ nanobelts. <i>Journal of Alloys and Compounds</i> , 2019, 797, 666-675.	5.5	88
16	Metal Oxide Based Heterojunctions for Gas Sensors: A Review. <i>Nanomaterials</i> , 2021, 11, 1026.	4.1	77
17	Highly Efficient Green Light-Emitting Diodes from All-Inorganic Perovskite Nanocrystals Enabled by a New Electron Transport Layer. <i>Advanced Optical Materials</i> , 2018, 6, 1800220.	7.3	74
18	Synthesis and optical properties of highly c-axis oriented Bi ₄ Ti ₃ O ₁₂ thin films by sol-gel processing. <i>Thin Solid Films</i> , 1996, 283, 81-83.	1.8	73

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19	Synthesis of Bismuth Ferrite Nanoparticles via a Wet Chemical Route at Low Temperature. <i>Journal of Nanomaterials</i> , 2011, 2011, 1-6.	2.7	73
20	Piezoelectric Nanowires in Energy Harvesting Applications. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-21.	1.8	66
21	Photoluminescence and Raman scattering studies on PbTiO ₃ nanowires fabricated by hydrothermal method at low temperature. <i>Applied Physics Letters</i> , 2006, 88, 193120.	3.3	65
22	Controllable Hydrothermal Synthesis of KTa _{1-x} Nb _x O ₃ Nanostructures with Various Morphologies and Their Growth Mechanisms. <i>Crystal Growth and Design</i> , 2008, 8, 832-837.	3.0	60
23	Rapid response hydrogen sensor based on nanoporous Pd thin films. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 10986-10990.	7.1	58
24	Defect-original room-temperature hydrogen sensing of MoO ₃ nanoribbon: Experimental and theoretical studies. <i>Sensors and Actuators B: Chemical</i> , 2018, 260, 21-32.	7.8	56
25	Electrospun Bismuth Ferrite Nanofibers for Potential Applications in Ferroelectric Photovoltaic Devices. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 3665-3670.	8.0	55
26	An excellent room-temperature hydrogen sensor based on TiO ₂ nanotube-arrays. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 13602-13609.	7.1	54
27	Characterization of single-crystalline PbTiO ₃ nanowire growth via surfactant-free hydrothermal method. <i>Journal of Applied Physics</i> , 2007, 101, 024319.	2.5	53
28	Synthesis and ferroelectric properties of c-axis oriented Bi ₄ Ti ₃ O ₁₂ thin films by sol-gel process on platinum coated silicon. <i>Applied Physics Letters</i> , 1996, 68, 1209-1210.	3.3	50
29	Simplified aptamer-based colorimetric method using unmodified gold nanoparticles for the detection of carcinoma embryonic antigen. <i>RSC Advances</i> , 2015, 5, 10994-10999.	3.6	50
30	Hydrothermal growth and optical properties of Nb ₂ O ₅ nanorod arrays. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8185-8190.	5.5	49
31	Rapid hydrogen sensing response and aging of λ -MoO ₃ nanowires paper sensor. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 8399-8405.	7.1	47
32	V ₂ O ₅ Nanowire Composite Paper as a High-Performance Lithium-Ion Battery Cathode. <i>ACS Omega</i> , 2017, 2, 793-799.	3.5	46
33	Self-Powered Viscosity and Pressure Sensing in Microfluidic Systems Based on the Piezoelectric Energy Harvesting of Flowing Droplets. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 28586-28595.	8.0	46
34	Raman scattering study of La-doped SrBi ₂ Nb ₂ O ₉ ceramics. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 7817-7820.	2.8	45
35	High-performance piezoelectric energy harvesting of vertically aligned Pb(Zr,Ti)O ₃ nanorod arrays. <i>RSC Advances</i> , 2018, 8, 7422-7427.	3.6	45
36	Solvent-Assisted Surface Engineering for High-Performance All-Inorganic Perovskite Nanocrystal Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 19828-19835.	8.0	45

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37	Lead-free In ₂ O ₃ -doped (Bi _{0.5} Na _{0.5}) _{0.93} Ba _{0.07} TiO ₃ ceramics synthesized by direct reaction sintering. <i>Applied Physics Letters</i> , 2007, 90, 182903.	3.3	41
38	Remarkably accelerated room-temperature hydrogen sensing of MoO ₃ nanoribbon/graphene composites by suppressing the nanojunction effects. <i>Sensors and Actuators B: Chemical</i> , 2017, 248, 160-168.	7.8	41
39	Fluorescence and drug loading properties of ZnSe:Mn/ZnS-Paclitaxel/SiO ₂ nanocapsules templated by F127 micelles. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 436-443.	9.4	40
40	Fast and highly sensitive humidity sensors based on NaNbO ₃ nanofibers. <i>RSC Advances</i> , 2015, 5, 20453-20458.	3.6	37
41	Graphene-skeleton Heat-coordinated and Nanoamorphous-surface-state Controlled Pseudo-negative Photoconductivity of Tiny SnO ₂ Nanoparticles. <i>Advanced Materials</i> , 2015, 27, 3525-3532.	21.0	35
42	<i>In situ</i> synthesis of MoS ₂ /graphene nanosheets as free-standing and flexible electrode paper for high-efficiency hydrogen evolution reaction. <i>RSC Advances</i> , 2018, 8, 10698-10705.	3.6	34
43	A self-powered vibration sensor based on electrospun poly(vinylidene fluoride) nanofibres with enhanced piezoelectric response. <i>Smart Materials and Structures</i> , 2016, 25, 105010.	3.5	33
44	Improper molecular ferroelectrics with simultaneous ultrahigh pyroelectricity and figures of merit. <i>Science Advances</i> , 2021, 7, .	10.3	32
45	Voltage-induced penetration effect in liquid metals at room temperature. <i>National Science Review</i> , 2020, 7, 366-372.	9.5	31
46	High-performance III-V MOSFET with nano-stacked high-k gate dielectric and 3D fin-shaped structure. <i>Nanoscale Research Letters</i> , 2012, 7, 431.	5.7	30
47	Visual detection of thrombin using a strip biosensor through aptamer-cleavage reaction with enzyme catalytic amplification. <i>Analyst</i> , The, 2015, 140, 7710-7717.	3.5	30
48	The structure and photoluminescence of Bi ₄ Ti ₃ O ₁₂ nanoplates synthesized by hydrothermal method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 315, 294-298.	4.7	29
49	MnO ₂ doped PSN-PZN-PZT piezoelectric ceramics for resonant actuator application. <i>Journal of Alloys and Compounds</i> , 2014, 615, 676-682.	5.5	29
50	(K,Na)NbO ₃ Nanofiber-based Self-Powered Sensors for Accurate Detection of Dynamic Strain. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 4921-4927.	8.0	29
51	Plasmonic CuS nanodisk assembly based composite nanocapsules for NIR-laser-driven synergistic chemo-photothermal cancer therapy. <i>Journal of Materials Chemistry B</i> , 2018, 6, 1035-1043.	5.8	29
52	Reactions in preparing Bi ₄ Ti ₃ O ₁₂ ultrafine powders by sol-gel process. <i>Ferroelectrics</i> , 1998, 211, 271-280.	0.6	27
53	A biosensor based on a film bulk acoustic resonator and biotin-avidin system for the detection of the epithelial tumor marker mucin 1. <i>RSC Advances</i> , 2015, 5, 66355-66359.	3.6	27
54	Selenate Reduction and Selenium Enrichment of Tea by the Endophytic Herbaspirillum sp. Strain WT00C. <i>Current Microbiology</i> , 2020, 77, 588-601.	2.2	27

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55	Orientation-Control Synthesis of $\text{KTa}_{0.25}\text{Nb}_{0.75}\text{O}_3$ Nanorods. <i>Journal of the American Ceramic Society</i> , 2010, 93, 609-613.	3.8	25
56	Critical Parameters for the Scale-Up Synthesis of Quantum Dots. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 6041-6045.	0.9	24
57	$\text{Bi}_4\text{Ti}_3\text{O}_{12}/\text{TiO}_2$ heterostructure: Synthesis, characterization and enhanced photocatalytic activity. <i>Ceramics International</i> , 2013, 39, 9109-9114.	4.8	24
58	Structural, magnetic and nanomechanical properties in Ni-doped AlN films. <i>Journal of Alloys and Compounds</i> , 2014, 606, 55-60.	5.5	24
59	A Free-Standing and Self-Healable 2D Supramolecular Material Based on Hydrogen Bonding: A Nanowire Array with Sub- μm Resolution. <i>Small</i> , 2017, 13, 1604077.	10.0	24
60	Effects of Sol-Gel Processing Parameters and Substrates on Crystallization of Potassium Tantalate-Niobate Thin Films. <i>Physica Status Solidi A</i> , 1997, 163, 67-72.	1.7	23
61	Crystal structure and dielectric properties of $(1-x)\text{Ca}_{0.61}\text{Nd}_{0.26}\text{TiO}_3+x\text{Nd}(\text{Mg}_{1/2}\text{Ti}_{1/2})\text{O}_3$ complex perovskite at microwave frequencies. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	23
62	Facile synthesis and photocatalytic performance of $\text{Mg}_2\text{SnO}_4/\text{SnO}_2$ heterostructures. <i>Journal of Materials Science</i> , 2015, 50, 5865-5872.	3.7	23
63	Structural and optical properties of BST thin films prepared by the sol-gel process. <i>Microelectronic Engineering</i> , 2003, 66, 860-864.	2.4	22
64	Microstructural, Raman and XPS properties of single-crystalline $\text{Bi}_{3.15}\text{Nd}_{0.85}\text{Ti}_3\text{O}_{12}$ nanorods. <i>Materials Chemistry and Physics</i> , 2009, 113, 42-45.	4.0	22
65	Thermal-induced formation of domain structures in CuO nanomaterials. <i>Physical Review Materials</i> , 2017, 1, .	2.4	22
66	Room-temperature H ₂ gasochromic behavior of Pd-modified MoO ₃ nanowire labels. <i>Materials Chemistry and Physics</i> , 2019, 227, 111-116.	4.0	21
67	Wearable Piezoelectric Nanogenerators Based on Core-Shell Ga-PZT@GaO _x Nanorod-Enabled P(VDF-TrFE) Composites. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 7990-8000.	8.0	21
68	Significant dielectric enhancement in $0.3\text{BiFeO}_3\text{-}0.7\text{SrBi}_2\text{Nb}_2\text{O}_9$. <i>Applied Physics Letters</i> , 2001, 79, 2061-2063.	3.3	20
69	Structural and optical properties of $\text{KTa}_{0.77}\text{Nb}_{0.23}\text{O}_3$ nanoplates synthesized by hydrothermal method. <i>Journal of Colloid and Interface Science</i> , 2007, 310, 292-296.	9.4	20
70	Optical properties of octahedral KTaO_3 nanocrystalline. <i>Materials Chemistry and Physics</i> , 2009, 115, 151-153.	4.0	20
71	Synthesis, characterization and ferroelectric properties of lead-free $\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ nanotube arrays. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	19
72	Remarkably Enhanced Room-Temperature Hydrogen Sensing of SnO ₂ Nanoflowers via Vacuum Annealing Treatment. <i>Sensors</i> , 2018, 18, 949.	3.8	19

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73	Growth of layered perovskite Bi ₄ Ti ₃ O ₁₂ thin films by sol-gel process. <i>Journal of Crystal Growth</i> , 1998, 186, 403-408.	1.5	18
74	W doping-dependent structural and ferroelectric properties of SrBi ₂ Nb ₂ O ₉ ferroelectric ceramics. <i>Physica B: Condensed Matter</i> , 2007, 400, 134-136.	2.7	18
75	Room temperature ferromagnetism in Mg-doped AlN semiconductor films. <i>Materials Letters</i> , 2014, 117, 276-278.	2.6	18
76	Investigation of blue luminescence in Mg doped AlN films. <i>Journal of Alloys and Compounds</i> , 2015, 621, 314-318.	5.5	18
77	A double-enhanced strip biosensor for the rapid and ultrasensitive detection of protein biomarkers. <i>Chemical Communications</i> , 2015, 51, 8273-8275.	4.1	18
78	Orientation-dependent piezoresponse and high-performance energy harvesting of lead-free (K,Na)NbO ₃ nanorod arrays. <i>RSC Advances</i> , 2017, 7, 16908-16915.	3.6	17
79	Raman scattering, electronic, and ferroelectric properties of Nd modified Bi ₄ Ti ₃ O ₁₂ nanotube arrays. <i>Journal of Applied Physics</i> , 2010, 107, 094105.	2.5	16
80	The fabrication and characteristics of (Ba _{0.5} Sr _{0.5})TiO ₃ thin films prepared by pulsed laser deposition. <i>Journal of Crystal Growth</i> , 2002, 242, 172-176.	1.5	15
81	Gas sensing capabilities of TiO ₂ porous nanoceramics prepared through premature sintering. <i>Journal of Advanced Ceramics</i> , 2015, 4, 152-157.	17.4	15
82	Singular room-temperature hydrogen sensing characteristics with ultrafast recovery of Pt Nb ₂ O ₅ porous composite ceramics. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 30186-30192.	7.1	15
83	Electromechanical Conversion Behavior of K _{0.5} Na _{0.5} NbO ₃ Nanorods Synthesized by Hydrothermal Method. <i>Integrated Ferroelectrics</i> , 2013, 142, 24-30.	0.7	14
84	AlN-based film buck acoustic resonator operated in shear mode for detection of carcinoembryonic antigens. <i>RSC Advances</i> , 2016, 6, 4908-4913.	3.6	14
85	Phase boundary and annealing dependent piezoelectricity in lead-free (K,Na)NbO ₃ nanorod arrays. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	14
86	Rational Design and in-situ Synthesis of Ultra-Thin $\hat{1}^2$ -Ni(OH) ₂ Nanoplates for High Performance All-Solid-State Flexible Supercapacitors. <i>Frontiers in Chemistry</i> , 2020, 8, 602322.	3.6	14
87	Fabrication of lead titanate single crystalline nanowires by hydrothermal method and their characterization. <i>Journal of Sol-Gel Science and Technology</i> , 2007, 42, 293-297.	2.4	13
88	Extraordinary room-temperature hydrogen sensing capabilities with high humidity tolerance of Pt SnO ₂ composite nanoceramics prepared using SnO ₂ agglomerate powder. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 21177-21185.	7.1	13
89	An Ultrasensitive and Ultrasensitive Hydrogen Sensor Based on Defect-Dominated Electron Scattering in Pt Nanowire Arrays. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801304.	3.7	13
90	All-Solid-State Supercapacitors Based on Flexible Co ₃ O ₄ Nanoflowers/rGO Nanocomposites. <i>Journal of Electronic Materials</i> , 2018, 47, 5987-5992.	2.2	12

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91	Hydrogen sensing kinetics of laterally aligned MoO ₃ nanoribbon arrays with accelerated response and recovery performances at room temperature. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 23841-23850.	7.1	12
92	The enhanced hydrogen-sensing performance of the Fe-doped MoO ₃ monolayer: A DFT study. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 10257-10267.	7.1	12
93	Structure characterization of BiFeO ₃ /SrBi ₂ Nb ₂ O ₉ ceramics by mechanical activation. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2003, 99, 116-120.	3.5	11
94	Large third-order optical nonlinearity of SrBi ₂ Nb ₂ O ₉ thin films fabricated by pulsed laser deposition. <i>Materials Letters</i> , 2007, 61, 3701-3704.	2.6	11
95	Microstructure and Microwave Dielectric Properties of Ca _{1-x} (Al _{0.5-x} Nb _{0.5-x})O ₃ +xSrTiO ₃ Solid Solutions. <i>Journal of the American Ceramic Society</i> , 2010, 93, 3354-3359.	3.8	11
96	Detection of a carcinoembryonic antigen using aptamer-modified film bulk acoustic resonators. <i>Materials Research Bulletin</i> , 2014, 59, 411-415.	5.2	11
97	Structure and Piezoelectric Properties of Lead-Free Na _{0.5} Bi _{0.5} TiO ₃ Nanofibers Synthesized by Electrospinning. <i>Journal of Materials Science and Technology</i> , 2015, 31, 1181-1185.	10.7	11
98	Large-scale synthesis of Li ₃ V ₂ (PO ₄) ₃ @C composites by a modified carbothermal reduction method as cathode material for lithium-ion batteries. <i>RSC Advances</i> , 2017, 7, 25422-25428.	3.6	11
99	Silver-decorated titanium dioxide nanotube arrays with improved photocatalytic activity for visible light irradiation. <i>Journal of Materials Research</i> , 2014, 29, 1302-1308.	2.6	10
100	Fast, Sensitive, and Highly Selective Room-Temperature Hydrogen Sensing of Defect-Rich Orthorhombic Nb ₂ O ₅ Nanobelts with an Abnormal p-Type Sensor Response. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 25937-25948.	8.0	10
101	First-principles prediction of the hardness of fluorite TiO ₂ . <i>Physica B: Condensed Matter</i> , 2009, 404, 79-81.	2.7	9
102	A SC PUF Standard Cell Used for Key Generation and Anti-Invasive-Attack Protection. <i>IEEE Transactions on Information Forensics and Security</i> , 2021, 16, 3958-3973.	6.9	9
103	Fe/SrBi ₂ Nb ₂ O ₉ composite thin films with large third-order optical nonlinearities. <i>Journal of Alloys and Compounds</i> , 2009, 476, 635-638.	5.5	8
104	Synthesis of c-Axis Inclined AlN Films in an Off-Center System for Shear Wave Devices. <i>Journal of Electronic Materials</i> , 2011, 40, 1578-1583.	2.2	8
105	Low temperature cofirable Ca[(Li _{1/3} Nb _{2/3}) _{0.95} Zr _{0.15}]O ₃ + microwave dielectric ceramic with ZnO/B ₂ O ₃ /SiO ₂ frit. <i>Ceramics International</i> , 2012, 38, 3175-3183.	4.8	8
106	A New Message Expansion Structure for Full Pipeline SHA-2. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2021, 68, 1553-1566.	5.4	8
107	Preparation of PbTiO ₃ nanoceramics based on hydrothermal nanopowders and characterization of their electrical properties. <i>Materials Chemistry and Physics</i> , 2010, 121, 10-13.	4.0	7
108	Drive current and hot carrier reliability improvements of high-aspect-ratio n-channel fin-shaped field effect transistor with high-tensile contact etching stop layer. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	7

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109	Phase Transition and Optical Properties for Ultrathin KNbO_3 Nanowires. <i>Advances in Condensed Matter Physics</i> , 2013, 2013, 1-5.	1.1	7
110	Evidencing the structural conversion of hydrothermally synthesized titanate nanorods by in situ electron microscopy. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3786-3791.	10.3	7
111	Paclitaxel-loaded pluronic F127/P123 silica nanocapsules with surface conjugated rhTRAIL for targeted cancer therapy. <i>RSC Advances</i> , 2017, 7, 30250-30261.	3.6	7
112	Evolution of the composition, structure, and piezoelectric performance of $(\text{K}_{1-x}\text{Na}_x)\text{NbO}_3$ nanorod arrays with hydrothermal reaction time. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	7
113	Novel Periodic Bilayer Au Nanostructures for Ultrasensitive Surface-Enhanced Raman Spectroscopy. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800820.	3.7	7
114	Transforming Pt-SnO ₂ Nanoparticles into Pt-SnO ₂ Composite Nanoceramics for Room-Temperature Hydrogen-Sensing Applications. <i>Materials</i> , 2021, 14, 2123.	2.9	7
115	Synthesis and microstructure of c-axis oriented $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ thin films using sol-gel process on silicon. <i>Journal of Materials Science Letters</i> , 1996, 15, 53-54.	0.5	6
116	Nanoelectromechanical Switches by Controlled Switchable Cracking. <i>IEEE Electron Device Letters</i> , 2019, 40, 1209-1212.	3.9	6
117	Origin of orientation of $\text{K}(\text{Ta}_{0.65}\text{Nb}_{0.35})\text{O}_3$ thin films prepared by sol-gel processing. <i>Ferroelectrics</i> , 1996, 188, 73-79.	0.6	5
118	Doping effects of BiFeO_3 in layered perovskite $\text{SrBi}_2\text{Nb}_2\text{O}_9$. <i>Materials Chemistry and Physics</i> , 2002, 75, 105-109.	4.0	5
119	Phase evolution, crystal structure and dielectric behavior of $(1-x)\text{Nd}(\text{Zn}_{0.5}\text{Ti}_{0.5})\text{O}_3+x\text{Bi}(\text{Zn}_{0.5}\text{Ti}_{0.5})\text{O}_3$ compound ceramics. <i>Journal of Alloys and Compounds</i> , 2011, 509, 2993-2999.	5.5	5
120	Photocatalytically Active $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Nanoparticles Synthesized via a Soft Chemical Route. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-5.	2.7	5
121	Study of the reactions in preparing ultrafine KTN powders by sol-gel method. <i>Ferroelectrics</i> , 1994, 154, 289-294.	0.6	4
122	Effect of doped Mn on piezoelectric properties of $(\text{Na}_{0.5}\text{Bi}_{0.5})_{0.92}\text{Ba}_{0.08}\text{TiO}_3$ lead-free ceramics. <i>Central South University</i> , 2005, 12, 266-268.	0.5	4
123	A novel temperature compensated microwave dielectric based on $(\text{Na}_{0.5}\text{La}_{0.5})\text{TiO}_3-\text{CeO}_2$ system. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006, 134, 89-93.	3.5	4
124	Structure and Optical Properties of $0.1\text{BiFeO}_3-0.9\text{SrBi}_2\text{Nb}_2\text{O}_9$ Thin Films Using a Modified Sol-Gel Technique. <i>Journal of Sol-Gel Science and Technology</i> , 2006, 37, 27-30.	2.4	4
125	Highly-sensitive, fast hydrogen sensing employing Pt-coated TiO_2 nanotube arrays. <i>Functional Materials Letters</i> , 2014, 07, 1450021.	1.2	4
126	Analysis of resonance characteristics of solidly mounted resonator for mass sensing applications. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 116, 1573-1577.	2.3	4

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127	Magnetron radio frequency sputtering growth of LaNi ₅ thin films and their hydrogen-sensitive properties at room temperature and ordinary pressure. <i>Applied Surface Science</i> , 2015, 331, 35-40.	6.1	4
128	Controllable Elasticity Storage and Release in CuO~Pt Core~Shell Nanowires. <i>ChemNanoMat</i> , 2018, 4, 1140-1144.	2.8	4
129	Influence of Structural Parameters on the Surface Enhanced Raman Scattering of Au Nanoarrays. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 5317-5322.	0.9	4
130	Theoretical Model and Experiments of Resonance Frequency Shift by LC Tuning in Magnetoelectric Sensor. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800966.	1.8	4
131	Identification of vibrational mode symmetry and phonon anharmonicity in SbCrSe ₃ single crystal using Raman spectroscopy. <i>Science China Materials</i> , 2021, 64, 2824-2834.	6.3	4
132	Effects of precursor solution pH value and substrate texture on orientation degree of sol~gel-derived bismuth titanate thin films. <i>Physica Status Solidi A</i> , 2003, 198, 282-288.	1.7	3
133	The low-temperature synthesis of BiFeO ₃ ~SrBi ₂ Nb ₂ O ₉ complexes by sol-gel process. <i>Materials Letters</i> , 2005, 59, 912-915.	2.6	3
134	A novel controllable synthesis of silica nanotube arrays with ultraviolet photoluminescence. <i>Solid State Sciences</i> , 2009, 11, 1252-1257.	3.2	3
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