Songliu Yuan

List of Publications by Year
in descending order

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48 papers	1,591 citations	393982 19 h-index	288905 40 g-index
48 all docs	48 docs citations	48 times ranked	2928 citing authors

#	Article	IF	Citations
1	Colossal dielectric response in erbium iron garnet ceramics. Journal of Materials Science: Materials in Electronics, 2021, 32, 290-298.	1.1	2
2	Large topological Hall effect near room temperature in noncollinear ferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>La</mml:mi><mml:msub><mml:mi>Mn</mml:mi><mml:mi><mml:n single crystal. Physical Review Materials, 2021, 5, .	2.4	17
3	Substitution driven enhancement of ferromagnetic, ferroelectric and leakage properties in multiferroic 0.7Bi1â^'xErxFeO3-0.3Bi0.5Na0.5TiO3 solid solutions. Journal of Sol-Gel Science and Technology, 2020, 93, 587-595.	1.1	3
4	Asymmetric Magnetization Reversal Behaviors Driven by Exchange Coupling between All-in-All-out Magnetic Domains and Domain Walls in a Eu₂Ir₂O₇ Single Crystal. Journal of Physical Chemistry C, 2020, 124, 22656-22662.	1.5	8
5	Weak ferromagnetism, inflated dielectricity with improved resistive property in the morphotropic phase composition of (1 â^' x) Bi1â^'yHoyFeO3â€“xBa0.8Ca0.2TiO3 (0.25â€‰â‰€xâ€‰â‰€0.4; yâ€‰=â€‰0.025) ceramic solutions. Journal of Materials Science: Materials in Electronics, 2020, 31, 13111-13117.	2.2	5
6	Large anomalous Hall effect in ferromagnetic Weyl semimetal candidate PrAlGe. APL Materials, 2019, 7, .	2.2	55
7	Multiferroic properties of single-phase perovskite structureÂ0.8BiFeO3â€“0.2SrTiO3 ceramics synthesized using the Pechini method. Journal of Electroceramics, 2018, 40, 190-196.	0.8	5
8	Revealing Controllable Anisotropic Magnetoresistance in Spinâ€“Orbit Coupled Antiferromagnet Sr₂IrO₄. Advanced Functional Materials, 2018, 28, 1706589.	7.8	33
9	Preparation of magnetically separable and recyclable carbon dots/NiCo₂O₄ composites with enhanced photocatalytic activity for the degradation of tetracycline under visible light. Inorganic Chemistry Frontiers, 2018, 5, 1438-1444.	3.0	38
10	Bioinspired, Spineâ€Like, Flexible, Rechargeable Lithiumâ€Ion Batteries with High Energy Density. Advanced Materials, 2018, 30, e1704947.	11.1	109
11	Controllable defects implantation in MoS2 grown by chemical vapor deposition for photoluminescence enhancement. Nano Research, 2018, 11, 4123-4132.	5.8	55
12	Carbon dots decorated magnetic ZnFe 2 O 4 nanoparticles with enhanced adsorption capacity for the removal of dye from aqueous solution. Applied Surface Science, 2018, 433, 790-797.	3.1	72
13	Nonmagnetic impurity effect on magnetic correlation in the triangular-lattice antiferromagnet Ba ₃ Mn _{1â^'x} Zn _x Sb ₂ O ₉ (0 < x < 0.16). Europhysics Letters, 2018, 124, 27002.	0.7	1
14	Persistent Large Anisotropic Magnetoresistance and Insulator-to-Metal Transition in Spin-Orbit-Coupled <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mi>Sr</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mo stretchy="false">(</mml:mo><mml:msub><mml:mi>Ir</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi	1.5	7
15	Magnetization reversal induced by Mn substitution in spinel chromite NiCr₂O₄. Journal of the American Ceramic Society, 2018, 101, 5571-5577.	1.9	24
16	N,S co-doped carbon dots as a stable bio-imaging probe for detection of intracellular temperature and tetracycline. Journal of Materials Chemistry B, 2017, 5, 3293-3299.	2.9	117
17	Unusual magnetic transition near metal-insulator transition and paramagnetic anomaly in VO2. Applied Physics Letters, 2017, 110, .	1.5	12
18	Synergetic effect of carbon dots as co-catalyst for enhanced photocatalytic performance of methyl orange on ZnIn2S4 microspheres. Separation and Purification Technology, 2017, 174, 282-289.	3.9	63

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19	Enhanced Ferromagnetic, Ferroelectric, and Dielectric Properties in BiFeO3-SrTiO3-Bi0.5Na0.5TiO3 Ceramics. Journal of Electronic Materials, 2017, 46, 6717-6726.	1.0	11
20	Magnetic memory effect at room temperature in exchange coupled NiFe2O4-NiO nanogranular system. Applied Physics Letters, 2017, 111, 182406.	1.5	17
21	Anisotropic large magnetoresistance in TaTe4 single crystals. Journal of Applied Physics, 2017, 122, .	1.1	10
22	Carbon dots decorated the exposing high-reactive (111) facets CoO octahedrons with enhanced photocatalytic activity and stability for tetracycline degradation under visible light irradiation. Applied Catalysis B: Environmental, 2017, 219, 36-44.	10.8	96
23	Near-infrared light photocatalytic ability for degradation of tetracycline using carbon dots modified Ag/AgBr nanocomposites. Separation and Purification Technology, 2017, 174, 75-83.	3.9	62
24	Electrochemical Biosensor Based on Nanoporous Au/CoO Coreâ€“Shell Material with Synergistic Catalysis. ChemPhysChem, 2016, 17, 98-104.	1.0	15
25	Planar integration of flexible micro-supercapacitors with ultrafast charge and discharge based on interdigital nanoporous gold electrodes on a chip. Journal of Materials Chemistry A, 2016, 4, 9502-9510.	5.2	61
26	Hierarchically porous Co₃O₄/C nanowire arrays derived from a metalâ€“organic framework for high performance supercapacitors and the oxygen evolution reaction. Journal of Materials Chemistry A, 2016, 4, 16516-16523.	5.2	188
27	Lead-free relaxor ferroelectric ceramics Sr4+x Ca1â^'x BiTi3Nb7O30 with tunable transition temperature. Journal of Materials Science, 2016, 51, 7336-7342.	1.7	2
28	Rod-in-tube nanostructure of MgFe₂O₄: electrospinning synthesis and photocatalytic activities of tetracycline. New Journal of Chemistry, 2016, 40, 538-544.	1.4	25
29	Ultrasensitive strain gauge with tunable temperature coefficient of resistivity. Nano Research, 2016, 9, 1346-1357.	5.8	18
30	Studies on room temperature multiferroic properties of xBi0.5Na0.5TiO3-(1-x)NiFe2O4 ceramics. Journal of Electroceramics, 2015, 35, 59-67.	0.8	17
31	Hierarchical porous Ni/NiO coreâ€“shells with superior conductivity for electrochemical pseudo-capacitors and glucose sensors. Journal of Materials Chemistry A, 2015, 3, 10519-10525.	5.2	123
32	Nanoparticle monolayer-based flexible strain gauge with ultrafast dynamic response for acoustic vibration detection. Nano Research, 2015, 8, 2978-2987.	5.8	68
33	Relaxor Behavior and Large Roomâ€Temperature Polarization of Ferroelectric Sr₄CaBiTi₃Nb₇O₃₀ Ceramics. Journal of the American Ceramic Society, 2015, 98, 109-113.	1.9	43
34	Oxygen adsorption properties on a palladium promoted La_{1â^'x}Sr_xMnO₃solid oxide fuel cell cathode. RSC Advances, 2015, 5, 7761-7765.	1.7	16
35	Size-dependent training effect in exchange coupled NiFe2O4/NiO nanogranular systems. Journal of Applied Physics, 2014, 115, 083902.	1.1	7
36	Photovoltaic properties of Pt/BiFeO3 thin film/fluorine-doped tin oxide capacitor. Journal of Sol-Gel Science and Technology, 2014, 72, 74-79.	1.1	6

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37	Closely packed nanoparticle monolayer as a strain gauge fabricated by convective assembly at a confined angle. Nano Research, 2014, 7, 824-834.	5.8	19
38	Hierarchical Nanoporous Gold-Platinum with Heterogeneous Interfaces for Methanol Electrooxidation. Scientific Reports, 2014, 4, 4370.	1.6	63
39	Memory effect up to room-temperature in Ni/Ni2P core-shell structured nanoparticles. Journal Wuhan University of Technology, Materials Science Edition, 2013, 28, 467-470.	0.4	2
40	Evidence of decisive effect of crystal-field splitting in spin-state transition. Journal Wuhan University of Technology, Materials Science Edition, 2012, 27, 952-956.	0.4	0
41	Grain size effect on the giant dielectric and nonlinear electrical behaviors of Bi1/2Na1/2Cu3Ti4O12 ceramics. Applied Physics A: Materials Science and Processing, 2012, 107, 379-383.	1.1	9
42	Grain Size Effects on the Ferroelectric and Piezoelectric Properties of <scp><scp>Na_{0.5}K_{0.5}NbO₃</scp></scp> Ceramics Prepared by Pechini Method. Journal of the American Ceramic Society, 2012, 95, 1383-1387.	1.9	60
43	Electrical transport and magnetic properties of La0.67Ca0.33Mn1â^'x Cr x O3 and La0.67+x Ca0.33â^'x Mn1â^'x Cr x O3(0.04â‰¤xâ‰¤0.08). Journal Wuhan University of Technology, Materials Science Edition, 2008, 23, 463-466.	0.4	3
44	Fe3C cluster confined in single-walled carbon nanotubes: A first-principles study. Journal of Applied Physics, 2008, 104, 054310.	1.1	5
45	A SPECIAL ELECTRICAL TRANSPORT BEHAVIOR IN La0.67Sr0.33MnO3/CeO2 COMPOSITES. Modern Physics Letters B, 2008, 22, 2517-2522.	1.0	0
46	Structural, wetting, and electronic properties of metal clusters adsorbed on carbon nanotubes. Journal of Applied Physics, 2008, 104, 013509.	1.1	11
47	Magnetism in Mn and Co doped ZnO bulk samples. Science Bulletin, 2007, 52, 1019-1023.	1.7	12
48	Enhanced low-field magnetoresistence in the absence of Mn content in polycrystalline La0.67Ca0.33MnO3. Journal Wuhan University of Technology, Materials Science Edition, 2007, 22, 510-513.	0.4	1