

# 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	Hierarchically porous Co <sub>3</sub> O <sub>4</sub> /C nanowire arrays derived from a metal-organic framework for high performance supercapacitors and the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16516-16523.	5.2	188
2	Hierarchical porous Ni/NiO core-shell with superior conductivity for electrochemical pseudo-capacitors and glucose sensors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10519-10525.	5.2	123
3	N,S co-doped carbon dots as a stable bio-imaging probe for detection of intracellular temperature and tetracycline. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3293-3299.	2.9	117
4	Bioinspired, Spine-Like, Flexible, Rechargeable Lithium-Ion Batteries with High Energy Density. <i>Advanced Materials</i> , 2018, 30, e1704947.	11.1	109
5	Carbon dots decorated the exposing high-reactive (111) facets CoO octahedrons with enhanced photocatalytic activity and stability for tetracycline degradation under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2017, 219, 36-44.	10.8	96
6	Carbon dots decorated magnetic ZnFe <sub>2</sub> O <sub>4</sub> nanoparticles with enhanced adsorption capacity for the removal of dye from aqueous solution. <i>Applied Surface Science</i> , 2018, 433, 790-797.	3.1	72
7	Nanoparticle monolayer-based flexible strain gauge with ultrafast dynamic response for acoustic vibration detection. <i>Nano Research</i> , 2015, 8, 2978-2987.	5.8	68
8	Hierarchical Nanoporous Gold-Platinum with Heterogeneous Interfaces for Methanol Electrooxidation. <i>Scientific Reports</i> , 2014, 4, 4370.	1.6	63
9	Synergetic effect of carbon dots as co-catalyst for enhanced photocatalytic performance of methyl orange on ZnIn <sub>2</sub> S <sub>4</sub> microspheres. <i>Separation and Purification Technology</i> , 2017, 174, 282-289.	3.9	63
10	Near-infrared light photocatalytic ability for degradation of tetracycline using carbon dots modified Ag/AgBr nanocomposites. <i>Separation and Purification Technology</i> , 2017, 174, 75-83.	3.9	62
11	Planar integration of flexible micro-supercapacitors with ultrafast charge and discharge based on interdigital nanoporous gold electrodes on a chip. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9502-9510.	5.2	61
12	Grain Size Effects on the Ferroelectric and Piezoelectric Properties of Na <sub>0.5</sub> K <sub>0.5</sub> NbO <sub>3</sub> Ceramics Prepared by Pechini Method. <i>Journal of the American Ceramic Society</i> , 2012, 95, 1383-1387.	1.9	60
13	Controllable defects implantation in MoS <sub>2</sub> grown by chemical vapor deposition for photoluminescence enhancement. <i>Nano Research</i> , 2018, 11, 4123-4132.	5.8	55
14	Large anomalous Hall effect in ferromagnetic Weyl semimetal candidate PrAlGe. <i>APL Materials</i> , 2019, 7, .	2.2	55
15	Relaxor Behavior and Large Room-Temperature Polarization of Ferroelectric Sr <sub>4</sub> CaBiTi <sub>3</sub> Nb <sub>7</sub> O <sub>30</sub> Ceramics. <i>Journal of the American Ceramic Society</i> , 2015, 98, 109-113.	1.9	43
16	Preparation of magnetically separable and recyclable carbon dots/NiCo <sub>2</sub> O <sub>4</sub> composites with enhanced photocatalytic activity for the degradation of tetracycline under visible light. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1438-1444.	3.0	38
17	Revealing Controllable Anisotropic Magnetoresistance in Spin-Orbit Coupled Antiferromagnet Sr <sub>2</sub> IrO <sub>4</sub> . <i>Advanced Functional Materials</i> , 2018, 28, 1706589.	7.8	33
18	Rod-in-tube nanostructure of MgFe <sub>2</sub> O <sub>4</sub> : electrospinning synthesis and photocatalytic activities of tetracycline. <i>New Journal of Chemistry</i> , 2016, 40, 538-544.	1.4	25

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19	Magnetization reversal induced by Mn substitution in spinel chromite $\text{NiCr}_2\text{O}_4$ . Journal of the American Ceramic Society, 2018, 101, 5571-5577.	1.9	24
20	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
21	Ultrasensitive strain gauge with tunable temperature coefficient of resistivity. Nano Research, 2016, 9, 1346-1357.	5.8	18
22	Studies on room temperature multiferroic properties of $x\text{Bi}_0.5\text{Na}_0.5\text{TiO}_3-(1-x)\text{NiFe}_2\text{O}_4$ ceramics. Journal of Electroceramics, 2015, 35, 59-67.	0.8	17
23	Magnetic memory effect at room temperature in exchange coupled $\text{NiFe}_2\text{O}_4$ - $\text{NiO}$ nanogranular system. Applied Physics Letters, 2017, 111, 182406.	1.5	17
24	Large topological Hall effect near room temperature in noncollinear ferromagnet $\text{Mn}_2\text{VAl}$ single crystal. Physical Review Materials, 2021, 5, .		
25	Oxygen adsorption properties on a palladium promoted $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ solid oxide fuel cell cathode. RSC Advances, 2015, 5, 7761-7765.	1.7	16
26	Electrochemical Biosensor Based on Nanoporous Au/CoO Core-Shell Material with Synergistic Catalysis. ChemPhysChem, 2016, 17, 98-104.	1.0	15
27	Magnetism in Mn and Co doped ZnO bulk samples. Science Bulletin, 2007, 52, 1019-1023.	1.7	12
28	Unusual magnetic transition near metal-insulator transition and paramagnetic anomaly in $\text{VO}_2$ . Applied Physics Letters, 2017, 110, .	1.5	12
29	Structural, wetting, and electronic properties of metal clusters adsorbed on carbon nanotubes. Journal of Applied Physics, 2008, 104, 013509.	1.1	11
30	Enhanced Ferromagnetic, Ferroelectric, and Dielectric Properties in $\text{BiFeO}_3$ - $\text{SrTiO}_3$ - $\text{Bi}_0.5\text{Na}_0.5\text{TiO}_3$ Ceramics. Journal of Electronic Materials, 2017, 46, 6717-6726.	1.0	11
31	Anisotropic large magnetoresistance in $\text{TaTe}_4$ single crystals. Journal of Applied Physics, 2017, 122, .	1.1	10
32	Grain size effect on the giant dielectric and nonlinear electrical behaviors of $\text{Bi}_1/2\text{Na}_1/2\text{Cu}_3\text{Ti}_4\text{O}_{12}$ ceramics. Applied Physics A: Materials Science and Processing, 2012, 107, 379-383.	1.1	9
33	Asymmetric Magnetization Reversal Behaviors Driven by Exchange Coupling between All-in-All-out Magnetic Domains and Domain Walls in a $\text{Eu}_2\text{Ir}_2\text{O}_7$ Single Crystal. Journal of Physical Chemistry C, 2020, 124, 22656-22662.	1.5	8
34	Size-dependent training effect in exchange coupled $\text{NiFe}_2\text{O}_4$ / $\text{NiO}$ nanogranular systems. Journal of Applied Physics, 2014, 115, 083902.	1.1	7
35	Persistent Large Anisotropic Magnetoresistance and Insulator-to-Metal Transition in Spin-Orbit-Coupled $\text{Sr}_2\text{Ir}_2\text{O}_7$	1.5	7
36	Photovoltaic properties of Pt/ $\text{BiFeO}_3$ 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	Fe <sub>3</sub> C cluster confined in single-walled carbon nanotubes: A first-principles study. Journal of Applied Physics, 2008, 104, 054310.	1.1	5
38	Multiferroic properties of single-phase perovskite structure $\text{A}_{0.8}\text{BiFeO}_3\text{A}'_{0.2}\text{SrTiO}_3$ ceramics synthesized using the Pechini method. Journal of Electroceramics, 2018, 40, 190-196.	0.8	5
39	Electrical transport and magnetic properties of $\text{La}_{0.67}\text{Ca}_{0.33}\text{Mn}_{1-x}\text{Cr}_x\text{O}_3$ and $\text{La}_{0.67+x}\text{Ca}_{0.33-x}\text{Mn}_{1-x}\text{Cr}_x\text{O}_3$ (0.04 ≤ x ≤ 0.08). Journal Wuhan University of Technology, Materials Science Edition, 2008, 23, 463-466.	0.4	3
40	Substitution driven enhancement of ferromagnetic, ferroelectric and leakage properties in multiferroic $0.7\text{Bi}_{1-x}\text{Er}_x\text{FeO}_3-0.3\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3$ solid solutions. Journal of Sol-Gel Science and Technology, 2020, 93, 587-595.	1.1	3
41	Memory effect up to room-temperature in Ni/Ni <sub>2</sub> P core-shell structured nanoparticles. Journal Wuhan University of Technology, Materials Science Edition, 2013, 28, 467-470.	0.4	2
42	Lead-free relaxor ferroelectric ceramics $\text{Sr}_{4+x}\text{Ca}_{1-x}\text{BiTi}_3\text{Nb}_7\text{O}_{30}$ with tunable transition temperature. Journal of Materials Science, 2016, 51, 7336-7342.	1.7	2
43	Colossal dielectric response in erbium iron garnet ceramics. Journal of Materials Science: Materials in Electronics, 2021, 32, 290-298.	1.1	2
44	Enhanced low-field magnetoresistance in the absence of Mn content in polycrystalline $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ . Journal Wuhan University of Technology, Materials Science Edition, 2007, 22, 510-513.	0.4	1
45	Nonmagnetic impurity effect on magnetic correlation in the triangular-lattice antiferromagnet $\text{Ba}_{3-x}\text{Mn}_{1-x}\text{Zn}_x\text{Sb}_2\text{O}_9$ (0 ≤ x ≤ 0.16). Europhysics Letters, 2018, 124, 27002.	0.7	1
46	A SPECIAL ELECTRICAL TRANSPORT BEHAVIOR IN $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3/\text{CeO}_2$ COMPOSITES. Modern Physics Letters B, 2008, 22, 2517-2522.	1.0	0
47	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
48	Weak ferromagnetism, inflated dielectricity with improved resistive property in the morphotropic phase composition of $(1-x)\text{Bi}_{1-y}\text{Ho}_y\text{FeO}_3-x\text{Ba}_{0.8}\text{Ca}_{0.2}\text{TiO}_3$ (0.25 ≤ x ≤ 0.4; y = 0.15) ceramic solutions. Journal of Materials Science: Materials in Electronics, 2020, 31, 13111-13117.		