C-L Chen

List of Publications by Year
in descending order

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58 papers	1,203 citations	430442 18 h-index	395343 33 g-index
60 all docs	60 docs citations	60 times ranked	1810 citing authors

#	Article	IF	Citations
1	Soft X-ray absorption spectroscopic investigation of MnO2/graphene nanocomposites used in supercapacitor. Catalysis Today, 2022, 388-389, 63-69.	2.2	9
2	Conversion of methane to acetonitrile over GaN catalysts derived from gallium nitrate hydrate co-pyrolyzed with melamine, melem, or g-C₃N₄: the influence of nitrogen precursors. Catalysis Science and Technology, 2022, 12, 320-331.	2.1	9
3	On the local atomic structure for swift coloration of chromogenic thin film. Applied Surface Science, 2022, 593, 153351.	3.1	1
4	Regulating Pseudo-Jahnâ€“Teller Effect and Superstructure in Layered Cathode Materials for Reversible Alkali-Ion Intercalation. Journal of the American Chemical Society, 2022, 144, 7929-7938.	6.6	22
5	Selective doping for bond relaxation towards enhanced structural reversibility in Ni-rich layered cathodes. Materials Today Chemistry, 2022, 24, 100926.	1.7	4
6	Origin of intense blue-green emission in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Sr</mml:mi><mml:mi>Ti</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> thin films with implanted nitrogen ions: An investigation by synchrotron-based experimental techniques. Physical Review B, 2021, 103, .	1.1	8
7	Significant role of substrate temperature on the morphology, electronic structure and thermoelectric properties of SrTiO3 films deposited by pulsed laser deposition. Surface and Coatings Technology, 2021, 407, 126740.	2.2	6
8	Carbon encapsulation of magnetite nanoparticles enhances magnetism at room-temperature due to spin-polarized charge transfer. Applied Physics Letters, 2021, 118, .	1.5	2
9	Controlling Ni²⁺from the Surface to the Bulk by a New Cathode Electrolyte Interphase Formation on a Ni-Rich Layered Cathode in High-Safe and High-Energy-Density Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 7355-7369.	4.0	20
10	Irreversible Transition from GaO₆ Octahedra to GaO₄ Tetrahedra for Improved Electrochemical Stability in Ga-Doped Li(Ni_{0.9}Co_{0.1})O₂. Inorganic Chemistry, 2021, 60, 3015-3024.	1.9	7
11	Evidence of a structural phase transition in the triangular-lattice compound CuIr2Te4. Physical Review B, 2021, 103, .	1.1	1
12	Bandgap engineering in SrTiO3 thin films by electronic excitations: A synchrotron-based spectroscopic study. Scripta Materialia, 2021, 195, 113725.	2.6	3
13	Reducing the thermal deformation of InSb crystal by using double-bounce HHRMs in the TPS tender X-ray absorption spectroscopy beamline. Journal of Synchrotron Radiation, 2021, 28, 1202-1209.	1.0	4
14	Photo generated charge transport studies of defects-induced shuttlecock-shaped ZnO/Ag hybrid nanostructures. Nanotechnology, 2021, 32, 305708.	1.3	5
15	Direct Cationâ€“Cation Interactions Induced by Mg Dopants for Electronâ€“Gas Behavior in Î±-Fe₂O₃. Journal of Physical Chemistry C, 2021, 125, 12893-12902.	1.5	5
16	Sequential tunability of red and white light emissions in Sm-activated ZnO phosphors by up- and downconversion mechanisms. Journal of Applied Physics, 2021, 129, .	1.1	4
17	Electrochemical grinding-induced metallic assembly exploiting a facile conversion reaction route of metal oxides toward Li ions. Acta Materialia, 2021, 211, 116863.	3.8	12
18	In Situ Coâ€“O Bond Reinforcement of the Artificial Cathode Electrolyte Interphase in Highly Delithiated LiCoO₂ for High-Energy-Density Applications. ACS Applied Materials & Interfaces, 2021, 13, 46703-46716.	4.0	8

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19	Structural evolution and Au nanoparticles enhanced photocatalytic activity of sea-urchin-like TiO2 microspheres: An X-ray absorption spectroscopy study. Applied Surface Science, 2021, 562, 150127.	3.1	8
20	Depressed lattice oxygen and improved thermoelectric performance in N-type Mg3Bi2-Sb via La-doping. Materials Today Physics, 2021, 21, 100485.	2.9	6
21	Understanding the role of structural distortions on the transport properties of Ar ion irradiated SrTiO3 thin films: X-ray absorption investigation. Journal of Applied Physics, 2021, 130, .	1.1	1
22	Surface engineered CoP/Co₃O₄ heterojunction for high-performance bi-functional water splitting electro-catalysis. Nanoscale, 2021, 13, 20281-20288.	2.8	26
23	Electronic and atomic structure of TiO2 anatase spines on sea-urchin-like microspheres by X-ray absorption spectroscopy. Applied Surface Science, 2020, 502, 144297.	3.1	18
24	Synthesis of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mrow><mml:mi mathvariant="normal">N</mml:mi><mml:mi mathvariant="normal">a</mml:mi><mml:mi mathvariant="normal">S</mml:mi><mml:mi mathvariant="normal">r</mml:mi><mml:mi mathvariant="normal">B</mml:mi><mml:mo>:</mml:mo><mml:mi mathvariant="normal">N</mml:mi><mml:msup><mml:mrow><mml:mi mathvariant="normal">d</mml:mi>	2.0	16
25	Excitation induced enhancement of spectral response and energy transfer mechanisms in Fe/Sm modified ZnO phosphors. Journal of Applied Physics, 2020, 128, 143104.	1.1	4
26	Electrochemical properties and mechanism of CoMoO₄@NiWO₄ coreâ€“shell nanoplates for high-performance supercapacitor electrode application studied via in situ X-ray absorption spectroscopy. Nanoscale, 2020, 12, 13388-13397.	2.8	44
27	Electronic structures associated with enhanced photocatalytic activity in nanogap-engineered g-C3N4/Ag@SiO2 hybrid nanostructures. Applied Surface Science, 2020, 514, 145907.	3.1	7
28	Tuning the Electrical and Thermoelectric Properties of N Ion Implanted SrTiO3 Thin Films and Their Conduction Mechanisms. Scientific Reports, 2019, 9, 14486.	1.6	30
29	Effect of Fe ion implantation on the thermoelectric properties and electronic structures of CoSb₃ thin films. RSC Advances, 2019, 9, 36113-36122.	1.7	17
30	Plasmon-Induced Visible-Light Photocatalytic Activity of Au Nanoparticle-Decorated Hollow Mesoporous TiO₂: A View by X-ray Spectroscopy. Journal of Physical Chemistry C, 2018, 122, 6955-6962.	1.5	25
31	Evolution of Visible Photocatalytic Properties of Cu-Doped CeO₂ Nanoparticles: Role of Cu²⁺-Mediated Oxygen Vacancies and the Mixed-Valence States of Ce Ions. ACS Sustainable Chemistry and Engineering, 2018, 6, 8536-8546.	3.2	55
32	Operando X-ray spectroscopic observations of modulations of local atomic and electronic structures of color switching smart film. Physical Chemistry Chemical Physics, 2017, 19, 14224-14229.	1.3	11
33	Evolution of nanostructured single-phase CoSb3 thin films by low-energy ion beam induced mixing and their thermoelectric performance. Physical Chemistry Chemical Physics, 2017, 19, 24886-24895.	1.3	10
34	Structural, magnetic and electronic properties of iron doped barium strontium titanate. RSC Advances, 2016, 6, 112363-112369.	1.7	21
35	Structural distortion and electronic states of Rb doped WO₃ by X-ray absorption spectroscopy. RSC Advances, 2016, 6, 107871-107877.	1.7	10
36	Atomic and electronic aspects of the coloration mechanism of gasochromic Pt/Mo-modified V₂O₅ smart films: an in situ X-ray spectroscopic study. Physical Chemistry Chemical Physics, 2016, 18, 5203-5210.	1.3	33

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37	Investigations on structural, magnetic and electronic structure of Gd-doped ZnO nanostructures synthesized using solâ€“gel technique. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	35
38	Tuning ferromagnetism in zinc oxide nanoparticles by chromium doping. Applied Nanoscience (Switzerland), 2015, 5, 975-981.	1.6	15
39	Electronic properties of free-standing TiO₂ nanotube arrays fabricated by electrochemical anodization. Physical Chemistry Chemical Physics, 2015, 17, 22064-22071.	1.3	42
40	Heterojunction of Zinc Blende/Wurtzite in Zn_{1â€“x}Cd_xS Solid Solution for Efficient Solar Hydrogen Generation: X-ray Absorption/Diffraction Approaches. ACS Applied Materials & Interfaces, 2015, 7, 22558-22569.	4.0	74
41	Local geometric and electronic structures of gasochromic VOx films. Physical Chemistry Chemical Physics, 2014, 16, 4699.	1.3	19
42	An ultra-fast response gasochromic device for hydrogen gas detection. Sensors and Actuators B: Chemical, 2013, 186, 193-198.	4.0	31
43	Structural, optical, and magnetic characterization of Co and N co-doped ZnO nanopowders. Journal of Materials Science, 2013, 48, 2618-2623.	1.7	18
44	Coexistence of intrinsic and extrinsic origins of room temperature ferromagnetism in as implanted and thermally annealed ZnO films probed by x-ray absorption spectroscopy. Journal of Applied Physics, 2013, 113, .	1.1	30
45	Enhancement of Ferromagnetism in CeO₂ Nanoparticles by Nonmagnetic Cr³⁺ Doping. Journal of Physical Chemistry C, 2012, 116, 26570-26576.	1.5	24
46	Mesoporous Fe-doped TiO2 sub-microspheres with enhanced photocatalytic activity under visible light illumination. Applied Catalysis B: Environmental, 2012, 127, 175-181.	10.8	48
47	X-Ray spectra and electronic correlations of FeSe1â€“xTex. Physical Chemistry Chemical Physics, 2011, 13, 15666.	1.3	24
48	Mechanism of light emission and electronic properties of a Eu3+-doped Bi2SrTa2O9 system determined by coupled X-ray absorption and emission spectroscopy. Journal of Materials Chemistry, 2011, 21, 17119.	6.7	17
49	Magnetic and Superconducting Properties of Doped and Undoped Double Perovskite Sr2YRuO6. Journal of Superconductivity and Novel Magnetism, 2011, 24, 1249-1262.	0.8	19
50	Convective solution transport â€” An improved technique for the growth of big crystals of the superconducting Î±-FeSe using KCl as solvent. Journal of Applied Physics, 2011, 110, 113919.	1.1	11
51	Role of 3d electrons in the rapid suppression of superconductivity in the dilute V doped spinel superconductor LiTi₂O₄. Superconductor Science and Technology, 2011, 24, 115007.	1.8	18
52	Nonstoichiometry of LixCu2O2+Î´ single crystal and its relation to magnetic ordering. Journal of Applied Physics, 2010, 108, .	1.1	3
53	Doping-driven structural phase transition and loss of superconductivity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>M</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mtext>Fe</mml:mtext></mml:msub></mml:mrow></mml:math> xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>M</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mtext>Fe</mml:mtext></mml:msub></mml:mrow><mml:m. Physical Review B, 2010, 82, .	1.1	53
54	Growth and Investigation of Crystals of the New Superconductor Î±-FeSe from KCl Solutions. Crystal Growth and Design, 2009, 9, 3260-3264.	1.4	62

#	ARTICLE	IF	CITATIONS
55	Orbital polarization of the unoccupied states in multiferroic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>LiCu</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2008, 78, .	1.1	13
56	Effect of Pb on the properties of Sr2YRu1-xCuxO6 crystals grown from PbO-PbF2 solutions at high temperatures. Crystal Research and Technology, 2007, 42, 558-561.	0.6	2
57	Magnetic and electronic properties of CeCo₂ studied by synchrotron radiation. Physica Status Solidi (B): Basic Research, 2007, 244, 4526-4529.	0.7	3
58	Epitaxial ferroelectric Ba0.5Sr0.5TiO3 thin films for room-temperature tunable element applications. Applied Physics Letters, 1999, 75, 412-414.	1.5	169