

Chao Li

List of Publications by Year in descending order

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56
papers

1,856
citations

361413

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265206

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docs citations

65
times ranked

2480
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly efficient co-sensitization of nanocrystalline TiO ₂ electrodes with plural organic dyes. <i>New Journal of Chemistry</i> , 2005, 29, 773.	2.8	205
2	Efficient electron injection due to a special adsorbing group's combination of carboxyl and hydroxyl: dye-sensitized solar cells based on new hemicyanine dyes. <i>Journal of Materials Chemistry</i> , 2005, 15, 1654-1661.	6.7	201
3	Trigonal Planar [HgSe ₃] ⁴⁻ Unit: A New Kind of Basic Functional Group in IR Nonlinear Optical Materials with Large Susceptibility and Physicochemical Stability. <i>Journal of the American Chemical Society</i> , 2016, 138, 6135-6138.	13.7	168
4	Direct Observations of Nanofilament Evolution in Switching Processes in HfO ₂ -Based Resistive Random Access Memory by In Situ TEM Studies. <i>Advanced Materials</i> , 2017, 29, 1602976.	21.0	137
5	Photophysical, electrochemical, and photoelectrochemical properties of new azulene-based dye molecules. <i>Journal of Materials Chemistry</i> , 2007, 17, 642-649.	6.7	91
6	In Situ Fully Light-Driven Switching of Superhydrophobic Adhesion. <i>Advanced Functional Materials</i> , 2012, 22, 760-763.	14.9	86
7	PbGa ₄ S ₇ : a wide-gap nonlinear optical material. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3060-3067.	5.5	80
8	Lunar regolith and substructure at Chang'e-4 landing site in South Pole-Aitken basin. <i>Nature Astronomy</i> , 2021, 5, 25-30.	10.1	61
9	High power, tunable mid-infrared BaGa ₄ Se ₇ optical parametric oscillator pumped by a 21 μm Ho:YAG laser. <i>Optics Express</i> , 2016, 24, 6083.	3.4	57
10	BaGa ₂ SnSe ₆ : a new phase-matchable IR nonlinear optical material with strong second harmonic generation response. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10998-11004.	5.5	54
11	ESR Signal of Superoxide Radical Anion Adsorbed on TiO ₂ Generated at Room Temperature. <i>Journal of Physical Chemistry B</i> , 2004, 108, 2781-2783.	2.6	51
12	Improved performance in micron-sized silicon anodes by in situ polymerization of acrylic acid-based slurry. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16982-16991.	10.3	47
13	Ba ₅ CdGa ₆ Se ₁₅ , a congruently-melting infrared nonlinear optical material with strong SHG response. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1057-1063.	5.5	46
14	Effect of surface modification on electrochemical performance of nano-sized Si as an anode material for Li-ion batteries. <i>RSC Advances</i> , 2016, 6, 34715-34723.	3.6	45
15	SnGa ₂ GeS ₆ : synthesis, structure, linear and nonlinear optical properties. <i>Dalton Transactions</i> , 2015, 44, 7404-7410.	3.3	40
16	Noncentrosymmetric chalcogenides BaZnSiSe ₄ and BaZnGeSe ₄ featuring one-dimensional structures. <i>Journal of Alloys and Compounds</i> , 2017, 708, 414-421.	5.5	39
17	Dynamic observation of oxygen vacancies in hafnia layer by in situ transmission electron microscopy. <i>Nano Research</i> , 2015, 8, 3571-3579.	10.4	37
18	Be ₂ BO ₃ F: A Phase of Beryllium Fluoride Borate Derived from KBe ₂ BO ₃ F ₂ with Short UV Absorption Edge. <i>Inorganic Chemistry</i> , 2016, 55, 6586-6591.	4.0	36

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19	$K_2Sn_2ZnSe_6$, $Na_2Ge_2ZnSe_6$, and $Na_2In_2GeSe_6$: a new series of quaternary selenides with intriguing structural diversity and nonlinear optical properties. Dalton Transactions, 2016, 45, 7627-7633.	3.3	32
20	DNA photocleavage in anaerobic conditions by a Ru(II) polypyridyl complex with long wavelength MLCT absorption. New Journal of Chemistry, 2010, 34, 137-140.	2.8	23
21	High-pulse-energy mid-infrared optical parametric oscillator based on $BaGa_4Se_7$ crystal pumped at 1.064 μ m. Applied Physics B: Lasers and Optics, 2017, 123, 1.	2.2	20
22	Temperature-Dependent Sellmeier Equations of IR Nonlinear Optical Crystal $BaGa_4Se_7$. Crystals, 2017, 7, 62.	2.2	18
23	Fluorination on non-photolabile dppz ligands for improving Ru(II) complex-based photoactivated chemotherapy. Dalton Transactions, 2019, 48, 12177-12185.	3.3	18
24	Four new chalcogenides, $NaBa_2Sn_4Cl$, KBa_2Sn_4Cl , KBa_2Sn_4Br and $CsBa_2Sn_4Cl$: Syntheses, crystal structures and optical properties. Journal of Solid State Chemistry, 2015, 227, 104-109.	2.9	17
25	A polypyridyl Co(II) complex-based water reduction catalyst with double H_2 evolution sites. Catalysis Science and Technology, 2016, 6, 8482-8489.	4.1	16
26	Smart use of energy transfer to improve the two-photon photodynamic activity of an Ir(III) complex. Chemical Communications, 2020, 56, 2845-2848.	4.1	16
27	The Double Molybdate $Rb_2Ba(MoO_4)_2$: Synthesis, Crystal Structure, Optical, Thermal, Vibrational Properties, and Electronic Structure. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 2321-2325.	1.2	14
28	Sn_2Si_4 , synthesis, structure, optical and electronic properties. Optical Materials, 2015, 47, 379-385.	3.6	14
29	Eliminating above-surface diffractions from ground-penetrating radar data using iterative Stolt migration. Geophysics, 2021, 86, H1-H11.	2.6	14
30	Syntheses, crystal structures and physical properties of three new chalcogenides: $NaGaGe_3Se_8$, $K_3Ga_3Ge_7S_{20}$, and $K_3Ga_3Ge_7Se_{20}$. Dalton Transactions, 2016, 45, 532-538.	3.3	13
31	Velocity Analysis Using Separated Diffractions for Lunar Penetrating Radar Obtained by Yutu-2 Rover. Remote Sensing, 2021, 13, 1387.	4.0	13
32	$Li_2MnSnSe_4$: A New Quaternary Diamond-Like Semiconductor with Nonlinear Optical Response and Antiferromagnetic Property. Chemistry - an Asian Journal, 2017, 12, 3172-3177.	3.3	12
33	Photo-induced mitochondrial DNA damage and NADH depletion by NO_2 modified Ru(II) complexes. Chemical Communications, 2021, 57, 4162-4165.	4.1	11
34	Selective and Efficient Photoinactivation of Intracellular Staphylococcus aureus and MRSA with Little Accumulation of Drug Resistance: Application of a Ru(II) Complex with Photolabile Ligands. Journal of Medicinal Chemistry, 2021, 64, 7359-7370.	6.4	11
35	Energetic transients joint analysis system for multi-INstrument (ETJASMIN) for GECAM I. Positional, temporal, and spectral analyses. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2397-2406.	4.4	11
36	Rock Location and Property Analysis of Lunar Regolith at Chang'e-4 Landing Site Based on Local Correlation and Semblance Analysis. Remote Sensing, 2021, 13, 48.	4.0	10

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37	Quaternary chalcogenides BaRE ₂ In ₂ Ch ₇ (RE = La–Nd; Ch = S, Se) containing InCh ₅ trigonal bipyramids. Dalton Transactions, 2016, 45, 12329-12337.	3.3	8
38	A Ru(II)-Based Nanoassembly Exhibiting Theranostic PACT Activity in NIR Region. Particle and Particle Systems Characterization, 2020, 37, 2000045.	2.3	8
39	para-Dialkylaminophenyl Dyes for Efficient Nanocrystalline TiO ₂ Sensitization in Far-red Region. Chinese Journal of Chemistry, 2006, 24, 537-545.	4.9	7
40	Recent Progress of HTS Microwave Applications in Satellite Receiver, Meteorological Radar, Mobile Communication and Radio Astronomy. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1843-1848.	1.8	7
41	Ba ₃ FeS ₄ Br: A 0D Iron-Based Chalcohalide with Unusual Magnetic Properties. European Journal of Inorganic Chemistry, 2016, 2016, 1359-1363.	2.0	7
42	Application of the Organic Photosensitizers Bearing Two Carboxylic Acid Groups to Dye-Sensitized Solar Cells. Chinese Journal of Chemistry, 2008, 26, 929-934.	4.9	6
43	Noncentrosymmetric selenide Ba ₄ Ga ₄ GeSe ₁₂ : Synthesis, structure, and optical properties. Journal of Solid State Chemistry, 2016, 241, 131-136.	2.9	6
44	Li ₇ Cd _{4.5} Ge ₄ Se ₁₆ and Li _{6.4} Cd _{4.8} Sn ₄ Se ₁₆ : Strong Nonlinear Optical Response in Quaternary Diamond-Like Selenide Networks. Chemistry - an Asian Journal, 2018, 13, 871-876.	3.3	6
45	When one becomes two: Ba ₁₂ In ₄ Se ₂₀ , not quite isostructural to Ba ₁₂ In ₄ S ₁₉ . Journal of Solid State Chemistry, 2017, 253, 29-34.	2.9	5
46	Optical characterization of GaN/AlGaN bilayer by transmission and reflection spectra. Journal of Applied Physics, 2010, 108, 063104.	2.5	4
47	Development of an L-Band HTS Duplexer Sub-system with Novel Stepped Impedance Resonators. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1849-1852.	1.8	4
48	The structural transitions of C ₆₀ nanowhiskers under an electric field characterized by in situ transmission electron microscopy and electron energy-loss spectroscopy. Nanoscale, 2014, 6, 6585-6589.	5.6	4
49	Wavefield separation using irreversible-migration filtering. Geophysics, 2022, 87, A43-A48.	2.6	4
50	A VHF band HTS filter based on modified single-spiral resonators for radio astronomy application. Science China: Physics, Mechanics and Astronomy, 2013, 56, 910-915.	5.1	3
51	Chloromethyl-modified Ru(II) complexes enabling large pH jumps at low concentrations through photoinduced hydrolysis. Chemical Science, 2019, 10, 9949-9953.	7.4	3
52	Ca ₂ SnS ₄ : Crystal structure, optical property, and electronic structure. Journal of Crystal Growth, 2016, 434, 67-71.	1.5	2
53	Structure resonance crossing in space charge dominated beams. Physics of Plasmas, 2019, 26, 053104.	1.9	1
54	Preserving signal during random noise attenuation through migration enhancement and local orthogonalization. Geophysics, 2022, 87, V451-V466.	2.6	1

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55	Converting an Almost Noncytotoxic Ru(II) Complex with Photolabile Ligands into a Highly Efficient PACT Agent. <i>Particle and Particle Systems Characterization</i> , 2021, 38, 2100193.	2.3	0
56	Separating Scholte Wave and Body Wave in OBN Data Using Wave-Equation Migration. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-13.	6.3	0