

# Chao Li

## List of Publications by Year in descending order

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56  
papers

1,856  
citations

361413

20  
h-index

265206

42  
g-index

65  
all docs

65  
docs citations

65  
times ranked

2480  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wavefield separation using irreversible-migration filtering. <i>Geophysics</i> , 2022, 87, A43-A48.	2.6	4
2	Energetic transients joint analysis system for multi-INstrument (ETJASMIN) for GECAM â€œ I. Positional, temporal, and spectral analyses. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 2397-2406.	4.4	11
3	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
4	Preserving signal during random noise attenuation through migration enhancement and local orthogonalization. <i>Geophysics</i> , 2022, 87, V451-V466.	2.6	1
5	Eliminating above-surface diffractions from ground-penetrating radar data using iterative Stolt migration. <i>Geophysics</i> , 2021, 86, H1-H11.	2.6	14
6	Lunar regolith and substructure at Changâ€™E-4 landing site in South Poleâ€™Aitken basin. <i>Nature Astronomy</i> , 2021, 5, 25-30.	10.1	61
7	Photo-induced mitochondrial DNA damage and NADH depletion by â€œNO <sub>2</sub> modified Ru( <i>sc</i> ) complexes. <i>Chemical Communications</i> , 2021, 57, 4162-4165.	4.1	11
8	Velocity Analysis Using Separated Diffractions for Lunar Penetrating Radar Obtained by Yutu-2 Rover. <i>Remote Sensing</i> , 2021, 13, 1387.	4.0	13
9	Selective and Efficient Photoinactivation of Intracellular <i>Staphylococcus aureus</i> and MRSA with Little Accumulation of Drug Resistance: Application of a Ru(II) Complex with Photolabile Ligands. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 7359-7370.	6.4	11
10	Rock Location and Property Analysis of Lunar Regolith at Changâ€™E-4 Landing Site Based on Local Correlation and Semblance Analysis. <i>Remote Sensing</i> , 2021, 13, 48.	4.0	10
11	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
12	Smart use of â€œoping-pongâ€™energy transfer to improve the two-photon photodynamic activity of an Ir( <i>sc</i> ) complex. <i>Chemical Communications</i> , 2020, 56, 2845-2848.	4.1	16
13	A Ru(II)-Based Nanoassembly Exhibiting Theranostic PACT Activity in NIR Region. <i>Particle and Particle Systems Characterization</i> , 2020, 37, 2000045.	2.3	8
14	Fluorination on non-photolabile dppz ligands for improving Ru( <i>sc</i> ) complex-based photoactivated chemotherapy. <i>Dalton Transactions</i> , 2019, 48, 12177-12185.	3.3	18
15	Structure resonance crossing in space charge dominated beams. <i>Physics of Plasmas</i> , 2019, 26, 053104.	1.9	1
16	Chloromethyl-modified Ru( <i>sc</i> ) complexes enabling large pH jumps at low concentrations through photoinduced hydrolysis. <i>Chemical Science</i> , 2019, 10, 9949-9953.	7.4	3
17	Li <sub>7</sub> Cd <sub>4.5</sub> Ge <sub>4</sub> Se <sub>16</sub> and Li <sub>6.4</sub> Cd <sub>4.8</sub> Sn <sub>4</sub> Se <sub>16</sub> : Strong Nonlinear Optical Response in Quaternary Diamond-Like Selenide Networks. <i>Chemistry - an Asian Journal</i> , 2018, 13, 871-876.	3.3	6
18	Ba <sub>5</sub> CdGa <sub>6</sub> Se <sub>15</sub> , 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

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19	Direct Observations of Nanofilament Evolution in Switching Processes in HfO <sub>2</sub> -Based Resistive Random Access Memory by In Situ TEM Studies. <i>Advanced Materials</i> , 2017, 29, 1602976.	21.0	137
20	Noncentrosymmetric chalcogenides BaZnSiSe <sub>4</sub> and BaZnGeSe <sub>4</sub> featuring one-dimensional structures. <i>Journal of Alloys and Compounds</i> , 2017, 708, 414-421.	5.5	39
21	High-pulse-energy mid-infrared optical parametric oscillator based on BaGa <sub>4</sub> Se <sub>7</sub> crystal pumped at 1.064 μm. <i>Applied Physics B: Lasers and Optics</i> , 2017, 123, 1.	2.2	20
22	When one becomes two: Ba <sub>12</sub> In <sub>4</sub> Se <sub>20</sub> , not quite isostructural to Ba <sub>12</sub> In <sub>4</sub> S <sub>19</sub> . <i>Journal of Solid State Chemistry</i> , 2017, 253, 29-34.	2.9	5
23	Temperature-Dependent Sellmeier Equations of IR Nonlinear Optical Crystal BaGa <sub>4</sub> Se <sub>7</sub> . <i>Crystals</i> , 2017, 7, 62.	2.2	18
24	Li <sub>2</sub> MnSnSe <sub>4</sub> : A New Quaternary Diamond-Like Semiconductor with Nonlinear Optical Response and Antiferromagnetic Property. <i>Chemistry - an Asian Journal</i> , 2017, 12, 3172-3177.	3.3	12
25	Quaternary chalcogenides BaRE <sub>2</sub> In <sub>2</sub> Ch <sub>7</sub> (RE = La-Nd; Ch = S, Se) containing InCh <sub>5</sub> trigonal bipyramids. <i>Dalton Transactions</i> , 2016, 45, 12329-12337.	3.3	8
26	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
27	Trigonal Planar [HgSe <sub>3</sub> ] <sup>4-</sup> 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
28	High power, tunable mid-infrared BaGa <sub>4</sub> Se <sub>7</sub> optical parametric oscillator pumped by a 21 μm Ho:YAG laser. <i>Optics Express</i> , 2016, 24, 6083.	3.4	57
29	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
30	A polypyridyl Co(II) complex-based water reduction catalyst with double H <sub>2</sub> evolution sites. <i>Catalysis Science and Technology</i> , 2016, 6, 8482-8489.	4.1	16
31	Noncentrosymmetric selenide Ba <sub>4</sub> Ga <sub>4</sub> GeSe <sub>12</sub> : Synthesis, structure, and optical properties. <i>Journal of Solid State Chemistry</i> , 2016, 241, 131-136.	2.9	6
32	Be <sub>2</sub> BO <sub>3</sub> F: A Phase of Beryllium Fluoride Borate Derived from KBe <sub>2</sub> BO <sub>3</sub> F <sub>2</sub> with Short UV Absorption Edge. <i>Inorganic Chemistry</i> , 2016, 55, 6586-6591.	4.0	36
33	Ba <sub>3</sub> FeS <sub>4</sub> Br: A 0D Iron-Based Chalcogenide with Unusual Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 1359-1363.	2.0	7
34	Syntheses, crystal structures and physical properties of three new chalcogenides: NaGaGe <sub>3</sub> Se <sub>8</sub> , K <sub>3</sub> Ga <sub>3</sub> Ge <sub>7</sub> S <sub>20</sub> , and K <sub>3</sub> Ga <sub>3</sub> Ge <sub>7</sub> Se <sub>20</sub> . <i>Dalton Transactions</i> , 2016, 45, 532-538.	3.3	13
35	K <sub>2</sub> Sn <sub>2</sub> ZnSe <sub>6</sub> , Na <sub>2</sub> Ge <sub>2</sub> ZnSe <sub>6</sub> , and Na <sub>2</sub> In <sub>2</sub> GeSe <sub>6</sub> : a new series of quaternary selenides with intriguing structural diversity and nonlinear optical properties. <i>Dalton Transactions</i> , 2016, 45, 7627-7633.	3.3	32
36	Ca <sub>2</sub> SnS <sub>4</sub> : Crystal structure, optical property, and electronic structure. <i>Journal of Crystal Growth</i> , 2016, 434, 67-71.	1.5	2

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37	The Double Molybdate $\text{Rb}_2\text{Ba}(\text{MoO}_4)_2$ : Synthesis, Crystal Structure, Optical, Thermal, Vibrational Properties, and Electronic Structure. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 2321-2325.	1.2	14
38	$\text{Sn}_2\text{Si}_4\text{S}_4$ , synthesis, structure, optical and electronic properties. <i>Optical Materials</i> , 2015, 47, 379-385.	3.6	14
39	$\text{PbGa}_4\text{S}_7$ : a wide-gap nonlinear optical material. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3060-3067.	5.5	80
40	$\text{SnGa}_2\text{GeS}_6$ : synthesis, structure, linear and nonlinear optical properties. <i>Dalton Transactions</i> , 2015, 44, 7404-7410.	3.3	40
41	Four new chalcogenides, $\text{NaBa}_2\text{Sn}_4\text{Cl}$ , $\text{KBa}_2\text{Sn}_4\text{Cl}$ , $\text{KBa}_2\text{Sn}_4\text{Br}$ and $\text{CsBa}_2\text{Sn}_4\text{Cl}$ : Syntheses, crystal structures and optical properties. <i>Journal of Solid State Chemistry</i> , 2015, 227, 104-109.	2.9	17
42	$\text{BaGa}_2\text{SnSe}_6$ : 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
43	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
44	The structural transitions of $\text{C}_{60}$ nanowhiskers under an electric field characterized by in situ transmission electron microscopy and electron energy-loss spectroscopy. <i>Nanoscale</i> , 2014, 6, 6585-6589.	5.6	4
45	A VHF band HTS filter based on modified single-spiral resonators for radio astronomy application. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013, 56, 910-915.	5.1	3
46	Recent Progress of HTS Microwave Applications in Satellite Receiver, Meteorological Radar, Mobile Communication and Radio Astronomy. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 1843-1848.	1.8	7
47	Development of an L-Band HTS Duplexer Sub-system with Novel Stepped Impedance Resonators. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 1849-1852.	1.8	4
48	In Situ Fully Light-Driven Switching of Superhydrophobic Adhesion. <i>Advanced Functional Materials</i> , 2012, 22, 760-763.	14.9	86
49	Optical characterization of GaN/AlGaIn bilayer by transmission and reflection spectra. <i>Journal of Applied Physics</i> , 2010, 108, 063104.	2.5	4
50	DNA photocleavage in anaerobic conditions by a Ru(II) polypyridyl complex with long wavelength MLCT absorption. <i>New Journal of Chemistry</i> , 2010, 34, 137-140.	2.8	23
51	Application of the Organic Photosensitizers Bearing Two Carboxylic Acid Groups to Dye-Sensitized Solar Cells. <i>Chinese Journal of Chemistry</i> , 2008, 26, 929-934.	4.9	6
52	Photophysical, electrochemical, and photoelectrochemical properties of new azulene-based dye molecules. <i>Journal of Materials Chemistry</i> , 2007, 17, 642-649.	6.7	91
53	para-Dialkylaminophenyl Dyes for Efficient Nanocrystalline $\text{TiO}_2$ Sensitization in Far-red Region. <i>Chinese Journal of Chemistry</i> , 2006, 24, 537-545.	4.9	7
54	Highly efficient co-sensitization of nanocrystalline $\text{TiO}_2$ electrodes with plural organic dyes. <i>New Journal of Chemistry</i> , 2005, 29, 773.	2.8	205

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55	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
56	ESR Signal of Superoxide Radical Anion Adsorbed on TiO <sub>2</sub> Generated at Room Temperature. <i>Journal of Physical Chemistry B</i> , 2004, 108, 2781-2783.	2.6	51