Xian Qin

List of Publications by Year
in descending order

40 papers	3,335 citations	257450 24 h-index	315739 38 g-index
42 all docs	42 docs citations	42 times ranked	3492 citing authors

#	Article	IF	Citations
1	Multimodal Tuning of Synaptic Plasticity Using Persistent Luminescent Memitters. Advanced Materials, 2022, 34, e2101895.	21.0	31
2	Rare-Earth Doping in Nanostructured Inorganic Materials. Chemical Reviews, 2022, 122, 5519-5603.	47.7	338
3	Polarization-sensitive optoionic membranes from chiral plasmonic nanoparticles. Nature Nanotechnology, 2022, 17, 408-416.	31.5	83
4	Oxidative Sulfonylation of Hydrazones Enabled by Synergistic Copper/Silver Catalysis. Journal of Organic Chemistry, 2021, 86, 3706-3720.	3.2	19
5	Surface Plasmonâ€“Photon Coupling in Lanthanide-Doped Nanoparticles. Journal of Physical Chemistry Letters, 2021, 12, 1520-1541.	4.6	52
6	High-resolution X-ray luminescence extension imaging. Nature, 2021, 590, 410-415.	27.8	378
7	Dynamic upconversion multicolour editing enabled by molecule-assisted opto-electrochemical modulation. Nature Communications, 2021, 12, 2022.	12.8	36
8	Continuous-wave near-infrared stimulated-emission depletion microscopy using downshifting lanthanide nanoparticles. Nature Nanotechnology, 2021, 16, 975-980.	31.5	50
9	Photon upconversion through triplet exciton-mediated energy relay. Nature Communications, 2021, 12, 3704.	12.8	38
10	Anomalous upconversion amplification induced by surface reconstruction in lanthanide sublattices. Nature Photonics, 2021, 15, 732-737.	31.4	77
11	First-principles calculations of strain engineering in NaYF₄-based nanocrystals with hydroxyl impurities. Nanoscale, 2021, 13, 19561-19567.	5.6	6
12	Designing Subâ€2â€…nm Organosilica Nanohybrids for Farâ€Field Superâ€Resolution Imaging. Angewandte Chemie, 2020, 132, 756-761.	2.0	3
13	Designing Subâ€2â€…nm Organosilica Nanohybrids for Farâ€Field Superâ€Resolution Imaging. Angewandte Chemie - International Edition, 2020, 59, 746-751.	13.8	19
14	Decoding a Percolation Phase Transition of Water at â¼330 K with a Nanoparticle Ruler. Journal of Physical Chemistry Letters, 2020, 11, 6704-6711.	4.6	13
15	Lanthanide-Activated Nanoparticles: A Toolbox for Bioimaging, Therapeutics, and Neuromodulation. Accounts of Chemical Research, 2020, 53, 2692-2704.	15.6	123
16	Localized Electrons Enhanced Ion Transport for Ultrafast Electrochemical Energy Storage. Advanced Materials, 2020, 32, e1905578.	21.0	39
17	Outstanding Piezoelectric Performance in Leadâ€Free 0.95(K,Na)(Sb,Nb)O₃â€0.05(Bi,Na,K)ZrO₃ Thick Films with Oriented Nanophase Coexistence. Advanced Electronic Materials, 2019, 5, 1800691.	5.1	18
18	Tuning Longâ€Lived Mn(II) Upconversion Luminescence through Alkalineâ€Earth Metal Doping and Energyâ€Level Tailoring. Advanced Optical Materials, 2019, 7, 1900519.	7.3	24

#	Article	IF	Citations
19	Suppression of Defect-Induced Quenching via Chemical Potential Tuning: A Theoretical Solution for Enhancing Lanthanide Luminescence. Journal of Physical Chemistry C, 2019, 123, 11151-11161.	3.1	26
20	Piezoelectric Films: Outstanding Piezoelectric Performance in Leadâ€Free 0.95(K,Na)(Sb,Nb)O₃â€0.05(Bi,Na,K)ZrO₃ Thick Films with Oriented Nanophase Coexistence (Adv. Electron. Mater. 4/2019). Advanced Electronic Materials, 2019, 5, 1970020.	5.1	3
21	Straight, bendable and bent organic crystals. Chemical Communications, 2019, 55, 14749-14752.	4.1	8
22	Energy Flux Manipulation in Upconversion Nanosystems. Accounts of Chemical Research, 2019, 52, 228-236.	15.6	82
23	Energy-Transfer Editing in Lanthanide-Activated Upconversion Nanocrystals: A Toolbox for Emerging Applications. ACS Central Science, 2019, 5, 29-42.	11.3	127
24	Toxicity assessment and mechanistic investigation of engineered monoclinic VO₂nanoparticles. Nanoscale, 2018, 10, 9736-9746.	5.6	14
25	Lanthanide-Activated Phosphors Based on 4f-5d Optical Transitions: Theoretical and Experimental Aspects. Chemical Reviews, 2017, 117, 4488-4527.	47.7	702
26	High Piezoelectric Performance and Phase Transition in Stressed Leadâ€Free (1 â€“ x)(K, Na)(Sb,) Tj ETQq0 0 0 rgBT /Overlock 10 3, 1700033.	5.1	15
27	Piezoelectrics: High Piezoelectric Performance and Phase Transition in Stressed Leadâ€Free (1 â€“) Tj ETQq1 1 0.784314 rgBT /Overlock	5.1	0
28	Hedgehogâ€Like Upconversion Crystals: Controlled Growth and Molecular Sensing at Singleâ€Particle Level. Advanced Materials, 2017, 29, 1702315.	21.0	38
29	Instantaneous ballistic velocity of suspended Brownian nanocrystals measured by upconversion nanothermometry. Nature Nanotechnology, 2016, 11, 851-856.	31.5	292
30	Multicolour synthesis in lanthanide-doped nanocrystals through cation exchange in water. Nature Communications, 2016, 7, 13059.	12.8	164
31	Three-dimensional controlled growth of monodisperse sub-50â€‰nm heterogeneous nanocrystals. Nature Communications, 2016, 7, 10254.	12.8	267
32	Energy Migration Upconversion in Manganese(II)â€Doped Nanoparticles. Angewandte Chemie - International Edition, 2015, 54, 13312-13317.	13.8	64
33	â€œOrange alertâ€: A fluorescent detector for bisphenol A in water environments. Analytica Chimica Acta, 2014, 815, 51-56.	5.4	18
34	Graphene with line defect as a membrane for gas separation: Design via a first-principles modeling. Surface Science, 2013, 607, 153-158.	1.9	55
35	STRAIN EFFECTS ON ENHANCED HYDROGEN SULPHIDE DETECTION CAPABILITY OF Ag-DECORATED DEFECTIVE GRAPHENE: A FIRST-PRINCIPLES INVESTIGATION. Modern Physics Letters B, 2012, 26, 1250166.	1.9	5
36	Composition-dependent mechanical and thermal transport properties of carbon/silicon core/shell nanowires. Journal of Shanghai Jiaotong University (Science), 2012, 17, 743-747.	0.9	0

#	Article	IF	Citations
37	Investigation of the thermalâ€transport properties for silicon nanofilm covered with graphene via nonequilibrium molecular dynamics. Physica Status Solidi (B): Basic Research, 2012, 249, 1728-1734.	1.5	6
38	Effects of Stoneâ€“Wales defect upon adsorption of formaldehyde on graphene sheet with or without Al dopant: A first principle study. Surface Science, 2011, 605, 930-933.	1.9	76
39	Atomistic Simulations of Heat Transport in Carbon Nanotubes Effected by Temperature and Stretch Strain. Advanced Materials Research, 2011, 320, 38-44.	0.3	1
40	Ag Supported Si-Doped Graphene for Hydrogen Sulphide Detection: A First-Principles Investigation. Advanced Materials Research, 0, 602-604, 37-40.	0.3	1