

# Qi Shi

## List of Publications by Year in descending order

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26  
papers

701  
citations

516710

16  
h-index

552781

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1124  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical synthesis of a graphene sheet and gold nanoparticle-based nanocomposite, and its application to amperometric sensing of dopamine. <i>Mikrochimica Acta</i> , 2012, 177, 325-331.	5.0	91
2	Phonon Coupling with Excitons and Free Carriers in Formamidinium Lead Bromide Perovskite Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4245-4250.	4.6	56
3	miR-145 inhibits invasion of bladder cancer cells by targeting PAK111This study was supported by National Natural Science Foundation of China (No. 81372279 to P. Guo).. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2014, 32, 846-854.	1.6	54
4	Quantitative analysis of sedimentary rocks using laser-induced breakdown spectroscopy: comparison of support vector regression and partial least squares regression chemometric methods. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 2384-2393.	3.0	50
5	Multi-element quantitative analysis of soils by laser induced breakdown spectroscopy (LIBS) coupled with univariate and multivariate regression methods. <i>Analytical Methods</i> , 2019, 11, 3006-3013.	2.7	45
6	Before Förster. Initial excitation in photosynthetic light harvesting. <i>Chemical Science</i> , 2019, 10, 7923-7928.	7.4	38
7	Emission enhancement of laser-induced breakdown spectroscopy for aqueous sample analysis based on Au nanoparticles and solid-phase substrate. <i>Applied Optics</i> , 2016, 55, 6706.	2.1	37
8	High Resolution Mapping of Two-Photon Excited Photocurrent in Perovskite Microplate Photodetector. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5017-5022.	4.6	35
9	Multi-elemental surface mapping and analysis of carbonaceous shale by laser-induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2016, 115, 31-39.	2.9	30
10	Free Carriers versus Self-Trapped Excitons at Different Facets of Ruddlesden-Popper Two-Dimensional Lead Halide Perovskite Single Crystals. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4965-4971.	4.6	27
11	Exploration of a 3D nano-channel porous membrane material combined with laser-induced breakdown spectrometry for fast and sensitive heavy metal detection of solution samples. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 2302-2308.	3.0	25
12	Modulating Charge-Carrier Dynamics in Mn-Doped All-Inorganic Halide Perovskite Quantum Dots through the Doping-Induced Deep Trap States. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3705-3711.	4.6	22
13	Removal of Cr (VI) from aqueous solution by using bauxite residue (red mud): Identification of active components and column tests. <i>Chemosphere</i> , 2020, 245, 125560.	8.2	20
14	Laser-induced breakdown spectroscopy technique for quantitative analysis of aqueous solution using matrix conversion based on plant fiber spunlaced nonwovens. <i>Applied Optics</i> , 2015, 54, 8318.	2.1	19
15	The systemic bone protective effects of Gushukang granules in ovariectomized mice by inhibiting osteoclastogenesis and stimulating osteoblastogenesis. <i>Journal of Pharmacological Sciences</i> , 2018, 136, 155-164.	2.5	19
16	Light-Induced Defect Healing and Strong Many-Body Interactions in Formamidinium Lead Bromide Perovskite Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1239-1246.	4.6	18
17	Improved bauxite residue dealkalization by combination of aerated washing and electro dialysis. <i>Journal of Hazardous Materials</i> , 2019, 364, 682-690.	12.4	16
18	Variations in the Composition of the Phases Lead to the Differences in the Optoelectronic Properties of MAPbBr <sub>3</sub> Thin Films and Crystals. <i>Journal of Physical Chemistry C</i> , 2018, 122, 21817-21823.	3.1	15

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19	Enhanced Radiative Recombination of Excitons and Free Charges Due to Local Deformations in the Band Structure of MAPbBr <sub>3</sub> Perovskite Crystals. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13444-13450.	3.1	15
20	Homeostatic regulation of flavonoid and lignin biosynthesis in phenylpropanoid pathway of transgenic tobacco. <i>Gene</i> , 2022, 809, 146017.	2.2	14
21	Dehydrated Carbon Coupled with Laser-Induced Breakdown Spectrometry (LIBS) for the Determination of Heavy Metals in Solutions. <i>Applied Spectroscopy</i> , 2015, 69, 1190-1198.	2.2	13
22	A novel method for metallic element analysis in particle samples using a laser-induced breakdown spectroscopy technique. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 1527-1533.	3.0	12
23	Variation in the Photocurrent Response Due to Different Emissive States in Methylammonium Lead Bromide Perovskites. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3818-3823.	3.1	11
24	Combination of support vector regression (SVR) and microwave plasma atomic emission spectrometry (MWP-AES) for quantitative elemental analysis in solid samples using the continuous direct solid sampling (CDSS) technique. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 1954-1961.	3.0	8
25	Application of a cellulose filter aid in municipal sewage sludge dewatering and drying: Jar, pilot, and factory scale. <i>Water Environment Research</i> , 2020, 92, 495-503.	2.7	7
26	Photoelectrochemical Oxidation in Ambient Conditions Using Earth-Abundant Hematite Anode: A Green Route for the Synthesis of Biobased Polymer Building Blocks. <i>Catalysts</i> , 2021, 11, 969.	3.5	4