

# Feng Shao

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,896  
citations

331670

21  
h-index

414414

32  
g-index

33  
all docs

33  
docs citations

33  
times ranked

3590  
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene oxide exhibits broad-spectrum antimicrobial activity against bacterial phytopathogens and fungal conidia by intertwining and membrane perturbation. <i>Nanoscale</i> , 2014, 6, 1879-1889.	5.6	504
2	Synthesis of a Two-Dimensional Covalent Organic Monolayer through Dynamic Imine Chemistry at the Air/Water Interface. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 213-217.	13.8	276
3	Aqueous synthesis of porous platinum nanotubes at room temperature and their intrinsic peroxidase-like activity. <i>Chemical Communications</i> , 2013, 49, 6024.	4.1	114
4	Biocompatible and Highly Luminescent Near-Infrared CuInS <sub>2</sub> /ZnS Quantum Dots Embedded Silica Beads for Cancer Cell Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 2011-2017.	8.0	109
5	Hierarchical Nanogaps within Bioscaffold Arrays as a High-Performance SERS Substrate for Animal Virus Biosensing. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 6281-6289.	8.0	105
6	Tip-enhanced Raman spectroscopy: principles, practice, and applications to nanospectroscopic imaging of 2D materials. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 37-61.	3.7	104
7	All-in-One Cellulose Nanocrystals for 3D Printing of Nanocomposite Hydrogels. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2353-2356.	13.8	89
8	Stretchable Stowage-Growth Strategy to Fabricate Tunable Triply-Amplified Electrochemiluminescence Immunosensor for Ultrasensitive Detection of Pseudorabies Virus Antibody. <i>Analytical Chemistry</i> , 2014, 86, 5749-5757.	6.5	49
9	Chemical Mapping of Nanodefects within 2D Covalent Monolayers by Tip-Enhanced Raman Spectroscopy. <i>ACS Nano</i> , 2018, 12, 5021-5029.	14.6	45
10	Interfacial synthesis of crystalline two-dimensional cyano-graphdiyne. <i>Chemical Communications</i> , 2020, 56, 3210-3213.	4.1	44
11	Structural Characterization of a Covalent Monolayer Sheet Obtained by Two-Dimensional Polymerization at an Air/Water Interface. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15262-15266.	13.8	39
12	Nanoscale Chemical Imaging of Interfacial Monolayers by Tip-Enhanced Raman Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9361-9366.	13.8	32
13	Nanoscale Chemical Imaging of Reversible Photoisomerization of an Azobenzene-Thiol Self-Assembled Monolayer by Tip-Enhanced Raman Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1025-1029.	13.8	32
14	Solid-state voltammetry-based electrochemical immunosensor for Escherichia coli using graphene oxide-Ag nanoparticle composites as labels. <i>Analyst</i> , 2013, 138, 3388.	3.5	31
15	In situ spectroelectrochemical probing of CO redox landscape on copper single-crystal surfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	27
16	Microwave-assisted synthesis of high-quality CdTe/CdS@ZnS-SiO <sub>2</sub> near-infrared-emitting quantum dots and their applications in Hg <sup>2+</sup> sensing and imaging. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 74-82.	7.8	26
17	Direct Synthesis of Crystalline Graphtetrayne-A New Graphyne Allotrope. <i>CCS Chemistry</i> , 2021, 3, 1368-1375.	7.8	26
18	In-situ nanospectroscopic imaging of plasmon-induced two-dimensional [4+4]-cycloaddition polymerization on Au(111). <i>Nature Communications</i> , 2021, 12, 4557.	12.8	24

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19	Hydrogen-bonding recognition-induced aggregation of gold nanoparticles for the determination of the migration of melamine monomers using dynamic light scattering. <i>Analytica Chimica Acta</i> , 2014, 845, 92-97.	5.4	23
20	Structure Elucidation of 2D Polymer Monolayers Based on Crystallization Estimates Derived from Tip-Enhanced Raman Spectroscopy (TERS) Polymerization Conversion Data. <i>Journal of the American Chemical Society</i> , 2019, 141, 9867-9871.	13.7	23
21	Facile synthesis of Cu <sup>II</sup> /In <sup>III</sup> /Zn <sup>II</sup> /S alloyed nanocrystals with temperature-dependent photoluminescence spectra. <i>Materials Letters</i> , 2014, 119, 100-103.	2.6	17
22	Nanoscale Chemical Imaging of Reversible Photoisomerization of an Azobenzene-Thiol Self-Assembled Monolayer by Tip-Enhanced Raman Spectroscopy. <i>Angewandte Chemie</i> , 2018, 130, 1037-1041.	2.0	14
23	Tip-enhanced Raman spectroscopic imaging shows segregation within binary self-assembled thiol monolayers at ambient conditions. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 8197-8204.	3.7	11
24	Nanoscale Chemical Imaging of Interfacial Monolayers by Tip-Enhanced Raman Spectroscopy. <i>Angewandte Chemie</i> , 2017, 129, 9489-9494.	2.0	7
25	All-in-One Cellulose Nanocrystals for 3D Printing of Nanocomposite Hydrogels. <i>Angewandte Chemie</i> , 2018, 130, 2377-2380.	2.0	7
26	Interfacial Synthesis of a Monolayered Fluorescent Two-Dimensional Polymer through Dynamic Imine Chemistry. <i>ChemistryOpen</i> , 2020, 9, 381-385.	1.9	7
27	Intravital imaging of <i>Bacillus thuringiensis</i> Cry1A toxin binding sites in the midgut of silkworm. <i>Analytical Biochemistry</i> , 2014, 447, 90-97.	2.4	6
28	Strongly enhanced Raman scattering of Cu-phthalocyanine sandwiched between graphene and Au(111). <i>Chemical Communications</i> , 2017, 53, 724-727.	4.1	6
29	Structural Characterization of a Covalent Monolayer Sheet Obtained by Two-Dimensional Polymerization at an Air/Water Interface. <i>Angewandte Chemie</i> , 2017, 129, 15464-15468.	2.0	5
30	Nanoscale Chemical Imaging of Coadsorbed Thiolate Self-Assembled Monolayers on Au(111) by Tip-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2022, 94, 1645-1653.	6.5	5
31	Tessellation strategy for the interfacial synthesis of an anthracene-based 2D polymer <i>via</i> [4+4]-photocycloaddition. <i>Chemical Communications</i> , 2021, 57, 5794-5797.	4.1	3