

Hai-Feng Ji

List of Publications by Year in descending order

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92
papers

3,422
citations

172457

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144013

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docs citations

95
times ranked

4727
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure-based virtual screening, in silico docking, ADME properties prediction and molecular dynamics studies for the identification of potential inhibitors against SARS-CoV-2 Mpro. <i>Molecular Diversity</i> , 2022, 26, 1645-1661.	3.9	6
2	Bulk Polymerization of PEGDA in Spruce Wood Using a DBD Plasma-Initiated Process to Improve the Flexural Strength of the Wood-Polymer Composite. <i>Plasma</i> , 2022, 5, 146-153.	1.8	1
3	Stable Cu ₂ P ₃ I ₂ and Ag ₂ P ₃ I ₂ Single-Wire and Thin Film Devices for Humidity Sensing. <i>Micro</i> , 2022, 2, 183-190.	2.0	2
4	Highly stretchable gelatin-polyacrylamide hydrogel for potential transdermal drug release. <i>Nano Select</i> , 2021, 2, 107-115.	3.7	15
5	Bacterial Biofilm Growth on 3D-Printed Materials. <i>Frontiers in Microbiology</i> , 2021, 12, 646303.	3.5	29
6	Improving Photocatalytic Performance Using Nanopillars and Micropillars. <i>Materials</i> , 2021, 14, 299.	2.9	4
7	Fibrous Phosphorus Quantum Dots for Cell Imaging. <i>ACS Applied Nano Materials</i> , 2020, 3, 752-759.	5.0	22
8	Design and Fabrication of Highly Stretchable and Tough Hydrogels. <i>Polymer Reviews</i> , 2020, 60, 420-441.	10.9	24
9	The Development of a Pipeline for the Identification and Validation of Small-Molecule RelA Inhibitors for Use as Anti-Biofilm Drugs. <i>Microorganisms</i> , 2020, 8, 1310.	3.6	9
10	Polymerization of Solid-State Aminophenol to Polyaniline Derivative Using a Dielectric Barrier Discharge Plasma. <i>Plasma</i> , 2020, 3, 187-195.	1.8	3
11	Injectable and moldable hydrogels for use in sensitive and wide range strain sensing applications. <i>Biopolymers</i> , 2020, 111, e23355.	2.4	9
12	Computational View toward the Inhibition of SARS-CoV-2 Spike Glycoprotein and the 3CL Protease. <i>Computation</i> , 2020, 8, 53.	2.0	26
13	Polymerization of Solid-State 2,2'-Bithiophene Thin Film or Doped in Cellulose Paper Using DBD Plasma and Its Applications in Paper-Based Electronics. <i>ACS Applied Polymer Materials</i> , 2020, 2, 1518-1527.	4.4	6
14	A search for medications to treat COVID-19 via in silico molecular docking models of the SARS-CoV-2 spike glycoprotein and 3CL protease. <i>Travel Medicine and Infectious Disease</i> , 2020, 35, 101646.	3.0	220
15	Applications of Highly Stretchable and Tough Hydrogels. <i>Polymers</i> , 2019, 11, 1773.	4.5	24
16	High Electron Mobility of Amorphous Red Phosphorus Thin Films. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6766-6771.	13.8	29
17	High Electron Mobility of Amorphous Red Phosphorus Thin Films. <i>Angewandte Chemie</i> , 2019, 131, 6838-6843.	2.0	4
18	Synthesis of A Silver Nanowire Array on Cu-BTC MOF Micropillars. <i>Sci</i> , 2019, 1, 4.	3.0	0

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19	Introduction and Characterization of Phosphorus Nanomaterials. ACS Symposium Series, 2019, , 27-45.	0.5	2
20	A colorimetric method for comparison of oxidative strength of DBD plasma. Sensors and Actuators Reports, 2019, 1, 100001.	4.4	4
21	Polymerization of D-Ribose in Dielectric Barrier Discharge Plasma. Plasma, 2018, 1, 144-149.	1.8	3
22	Stable Copper Phosphorus Iodide (Cu ₂ P ₃ I ₂) Nano/Microwire Photodetectors. ChemNanoMat, 2018, 4, 1083-1087.	2.8	3
23	Photoactivated Polymeric Bilayer Actuators Fabricated via 3D Printing. ACS Applied Materials & Interfaces, 2018, 10, 27308-27315.	8.0	58
24	Mechanism of Ampicillin Degradation by Non-Thermal Plasma Treatment with FE-DBD. Plasma, 2018, 1, 1-11.	1.8	21
25	Methane Incorporation Into Liquid Fuel by Nonequilibrium Plasma Discharges. IEEE Transactions on Plasma Science, 2017, 45, 683-690.	1.3	6
26	A beryllium-selective microcantilever sensor modified with benzo-9-crown-3 functionalized polymer brushes. Analytical Methods, 2017, 9, 3356-3360.	2.7	6
27	Ultrasensitive Detection of Cu ²⁺ Using a Microcantilever Sensor Modified with L-Cysteine Self-Assembled Monolayer. Applied Biochemistry and Biotechnology, 2017, 183, 555-565.	2.9	8
28	Suitability of N-propanoic acid spiropyrans and spirooxazines for use as sensitizing dyes in dye-sensitized solar cells. Physical Chemistry Chemical Physics, 2017, 19, 2981-2989.	2.8	8
29	Biomolecule Response to Nonthermal Plasma. Plasma Medicine, 2017, 7, 427-443.	0.6	6
30	Self-Assembled Microwires of Terephthalic Acid and Melamine. Crystals, 2017, 7, 236.	2.2	2
31	Fabrication and applications of self-assembled nanopillars. AIMS Materials Science, 2017, 4, 905-919.	1.4	2
32	Growth of 2D black phosphorus film from chemical vapor deposition. Nanotechnology, 2016, 27, 215602.	2.6	276
33	Ultra-Long Crystalline Red Phosphorus Nanowires from Amorphous Red Phosphorus Thin Films. Angewandte Chemie, 2016, 128, 12008-12012.	2.0	12
34	Ultra-Long Crystalline Red Phosphorus Nanowires from Amorphous Red Phosphorus Thin Films. Angewandte Chemie - International Edition, 2016, 55, 11829-11833.	13.8	56
35	Chemical Changes in Nonthermal Plasma-Treated N-Acetylcysteine (NAC) Solution and Their Contribution to Bacterial Inactivation. Scientific Reports, 2016, 6, 20365.	3.3	62
36	A first principles study of interactions of CO ₂ with surfaces of a Cu(benzene-1,3,5-tricarboxylate) metal organic framework. Applied Surface Science, 2016, 385, 578-586.	6.1	9

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37	Metal Organic Framework Micro/Nanopillars of Cu(BTC)·3H ₂ O and Zn(ADC)·DMSO. <i>Nanomaterials</i> , 2015, 5, 565-576.	4.1	12
38	Photochromic dye-sensitized solar cells. <i>AIMS Materials Science</i> , 2015, 2, 503-509.	1.4	14
39	Self-Assembling Organic Micro-/Nano-Pillars on Gold and Glass Surfaces. <i>Nanomaterials</i> , 2014, 4, 768-777.	4.1	4
40	Rapid visual detection of phytase gene in genetically modified maize using loop-mediated isothermal amplification method. <i>Food Chemistry</i> , 2014, 156, 184-189.	8.2	55
41	Decomposition of sugars under non-thermal dielectric barrier discharge plasma. <i>Clinical Plasma Medicine</i> , 2014, 2, 56-63.	3.2	16
42	Quartz crystal microbalance based biosensor for rapid and sensitive detection of maize chlorotic mottle virus. <i>Analytical Methods</i> , 2014, 6, 4530-4536.	2.7	38
43	Decomposition of L-Valine under Nonthermal Dielectric Barrier Discharge Plasma. <i>Journal of Physical Chemistry B</i> , 2014, 118, 1612-1620.	2.6	47
44	Metal organic framework (MOF) micro/nanopillars. <i>CrystEngComm</i> , 2014, 16, 2885-2888.	2.6	14
45	Nonequilibrium Plasma-Activated Antimicrobial Solutions are Broad-Spectrum and Retain their Efficacies for Extended Period of Time. <i>Plasma Processes and Polymers</i> , 2013, 10, 544-555.	3.0	107
46	Functional layer-by-layer multilayer films for ion recognition. <i>Analytical Methods</i> , 2013, 5, 3454.	2.7	3
47	Novel Diacetylinic Aryloxysilane Polymers: A New Thermally Cross-Linkable High Temperature Polymer System. <i>Macromolecules</i> , 2013, 46, 4370-4377.	4.8	13
48	Highly sensitive and selective detection of beryllium ions using a microcantilever modified with benzo-9-crown-3 doped hydrogel. <i>Analyst</i> , 2012, 137, 1220.	3.5	25
49	Single Mesowire Transistor From Perylene Tetracarboxylic Diimide. <i>IEEE Nanotechnology Magazine</i> , 2012, 11, 448-450.	2.0	0
50	Highly Selective Sensing of Nitroaromatics Using Nanomaterials of Ellagic Acid. <i>Journal of Physical Chemistry C</i> , 2012, 116, 4442-4448.	3.1	15
51	Reply: High Proton Conductivity of Water Channels in a Highly Ordered Nanowire. <i>Angewandte Chemie</i> , 2012, 124, 10607-10608.	2.0	0
52	Reply: High Proton Conductivity of Water Channels in a Highly Ordered Nanowire. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10457-10458.	13.8	2
53	Synthesis of a Re-usable Cellobiase Enzyme Catalyst through In situ Encapsulation in Nonsurfactant Templated Sol-Gel Mesoporous Silica. <i>Topics in Catalysis</i> , 2012, 55, 1247-1253.	2.8	6
54	Effects of acidity on the size of polyaniline-poly(sodium 4-styrenesulfonate) composite particles and the stability of corresponding colloids in water. <i>Journal of Colloid and Interface Science</i> , 2012, 381, 11-16.	9.4	39

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55	Triphenylene Nano/Microwires for Sensing Nitroaromatics. <i>Journal of Physical Chemistry C</i> , 2011, 115, 20091-20096.	3.1	24
56	Phenylethynyl and Phenol End-Capping Studies of Polybiphenyloxydiphenylsilanes for Cross-Linking and Enhanced Thermal Stability. <i>Macromolecules</i> , 2011, 44, 4107-4115.	4.8	17
57	Microcantilevers modified by specific peptide for selective detection of trimethylamine. <i>Biosensors and Bioelectronics</i> , 2011, 30, 140-144.	10.1	14
58	Microcantilever biosensors for chemicals and bioorganisms. <i>Analyst, The</i> , 2011, 136, 1539.	3.5	112
59	Morphologies and optical properties of nanostructures self-assembled from asymmetrical, amphiphilic perylene derivatives. <i>Journal of Materials Science</i> , 2011, 46, 188-195.	3.7	7
60	Crystalline Microwires of Rubrene for Chemical Sensing. <i>Analytical Chemistry Letters</i> , 2011, 1, 158-163.	1.0	0
61	Hexagonal Organic Nanopillar Array from the Melamine ²⁺ Cyanuric Acid Complex. <i>Langmuir</i> , 2010, 26, 4620-4622.	3.5	35
62	Approaches to Increasing Surface Stress for Improving Signal-to-Noise Ratio of Microcantilever Sensors. <i>Analytical Chemistry</i> , 2010, 82, 1634-1642.	6.5	34
63	Ultrahydrophobicity of Polydimethylsiloxanes-Based Multilayered Thin Films. <i>Journal of Nanotechnology</i> , 2009, 2009, 1-8.	3.4	4
64	Ultraviolet photoelectron spectroscopy of pristine poly (sodium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (poly[2-(3-thienyl)-ethoxy (PTCDI) nanobelts. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1212, 1.	0.1	0
65	Mechanical and electronic approaches to improve the sensitivity of microcantilever sensors. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2009, 25, 1-12.	3.4	26
66	Moisture measurement using porous aluminum oxide coated microcantilevers. <i>Sensors and Actuators B: Chemical</i> , 2008, 134, 390-395.	7.8	23
67	Electric field-directed assembly of gold and platinum nanowires from an electrolysis process. <i>Electrochemistry Communications</i> , 2008, 10, 222-224.	4.7	5
68	Microcantilever biosensors based on conformational change of proteins. <i>Analyst, The</i> , 2008, 133, 434.	3.5	46
69	Solvent Effect on the Self-Assembled Structure of an Amphiphilic Perylene Diimide Derivative. <i>Journal of Physical Chemistry B</i> , 2008, 112, 7196-7202.	2.6	71
70	Improved Surface Modification Approach for Micromechanical Biosensors. <i>Langmuir</i> , 2008, 24, 345-349.	3.5	9
71	Self-Assembly of Perylenediimide and Naphthalenediimide Nanostructures on Glass Substrates through Deposition from the Gas Phase. <i>Journal of the American Chemical Society</i> , 2008, 130, 10056-10057.	13.7	53
72	Organophosphorus hydrolase multilayer modified microcantilevers for organophosphorus detection. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2636-2642.	10.1	94

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73	Detection of feline coronavirus using microcantilever sensors. Measurement Science and Technology, 2006, 17, 2964-2968.	2.6	37
74	A calixarene based fluorescent Sr ²⁺ and Ca ²⁺ probe. Organic and Biomolecular Chemistry, 2006, 4, 770.	2.8	19
75	Microcantilevers Modified by Horseradish Peroxidase Intercalated Nano-Assembly for Hydrogen Peroxide Detection. Analytical Sciences, 2006, 22, 205-208.	1.6	18
76	Microcantilever (MCL) Biosensing. Current Analytical Chemistry, 2006, 2, 297-307.	1.2	23
77	Study of the near-neutral pH-sensitivity of chitosan/gelatin hydrogels by turbidimetry and microcantilever deflection. Biotechnology and Bioengineering, 2006, 95, 333-341.	3.3	71
78	Experimental and Theoretical Aspects of Glucose Measurement Using a Microcantilever Modified by Enzyme-Containing Polyacrylamide. Diabetes Technology and Therapeutics, 2005, 7, 986-995.	4.4	8
79	1,6-Hexanedithiol monolayer as a receptor for specific recognition of alkylmercury. Analyst, The, 2005, 130, 1577.	3.5	19
80	Environmental Monitoring Using Microcantilever Sensors. ACS Symposium Series, 2005, , 284-305.	0.5	2
81	Glucose Oxidase Multilayer Modified Microcantilevers for Glucose Measurement. Analytical Chemistry, 2005, 77, 6197-6204.	6.5	54
82	Photon-driven nanomechanical cyclic motion. Chemical Communications, 2004, , 2532.	4.1	31
83	An Anti E. Coli O157:H7 Antibody-Immobilized Microcantilever for the Detection of Escherichia Coli (E.) Tj ETQq1 1 0,784314,rgBT /Over	1.6	52
84	Detection of Pb ²⁺ Using a Hydrogel Swelling Microcantilever Sensor. Analytical Sciences, 2004, 20, 9-11.	1.6	64
85	Nerve Agents Detection Using a Cu ²⁺ /l-Cysteine Bilayer-Coated Microcantilever. Journal of the American Chemical Society, 2003, 125, 1124-1125.	13.7	158
86	Detection of CrO ₄ ²⁻ -Using a Hydrogel Swelling Microcantilever Sensor. Analytical Chemistry, 2003, 75, 4773-4777.	6.5	106
87	Detection of Hg ²⁺ -Using Microcantilever Sensors. Analytical Chemistry, 2002, 74, 3611-3615.	6.5	106
88	In situ detection of calcium ions with chemically modified microcantilevers. Biosensors and Bioelectronics, 2002, 17, 337-343.	10.1	67
89	Ultrasensitive Detection of CrO ₄ ²⁻ -Using a Microcantilever Sensor. Analytical Chemistry, 2001, 73, 1572-1576.	6.5	92
90	New fluorescent probes for the detection of mixed sodium and potassium metal ions. Chemical Communications, 2001, , 2092-2093.	4.1	22

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91	Cantilever-Based Optical Deflection Assay for Discrimination of DNA Single-Nucleotide Mismatches. Analytical Chemistry, 2001, 73, 1567-1571.	6.5	363
92	A novel self-assembled monolayer (SAM) coated microcantilever for low level caesium detection. Chemical Communications, 2000, , 457-458.	4.1	109