

Bo Hu

List of Publications by Year in descending order

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110
papers

6,505
citations

136740

32
h-index

69108

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g-index

114
all docs

114
docs citations

114
times ranked

10531
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering Carbon Materials from the Hydrothermal Carbonization Process of Biomass. <i>Advanced Materials</i> , 2010, 22, 813-828.	11.1	1,492
2	Systemic Immune-Inflammation Index Predicts Prognosis of Patients after Curative Resection for Hepatocellular Carcinoma. <i>Clinical Cancer Research</i> , 2014, 20, 6212-6222.	3.2	1,012
3	Large-Scale Synthesis of Flexible Free-Standing SERS Substrates with High Sensitivity: Electrospun PVA Nanofibers Embedded with Controlled Alignment of Silver Nanoparticles. <i>ACS Nano</i> , 2009, 3, 3993-4002.	7.3	373
4	Microwave-Assisted Rapid Facile "Green" Synthesis of Uniform Silver Nanoparticles: Self-Assembly into Multilayered Films and Their Optical Properties. <i>Journal of Physical Chemistry C</i> , 2008, 112, 11169-11174.	1.5	240
5	Functional carbonaceous materials from hydrothermal carbonization of biomass: an effective chemical process. <i>Dalton Transactions</i> , 2008, , 5414.	1.6	196
6	CD73 promotes hepatocellular carcinoma progression and metastasis via activating PI3K/AKT signaling by inducing Rap1-mediated membrane localization of P110 β and predicts poor prognosis. <i>Journal of Hematology and Oncology</i> , 2019, 12, 37.	6.9	150
7	Ordering of Disordered Nanowires: Spontaneous Formation of Highly Aligned, Ultralong Ag Nanowire Films at Oil-Water Air Interface. <i>Advanced Functional Materials</i> , 2010, 20, 958-964.	7.8	139
8	<i>In Situ</i> Growth Strategy to Integrate Up-Conversion Nanoparticles with Ultrasmall CuS for Photothermal Theranostics. <i>ACS Nano</i> , 2017, 11, 1064-1072.	7.3	132
9	Circulating Tumor Cells from Different Vascular Sites Exhibit Spatial Heterogeneity in Epithelial and Mesenchymal Composition and Distinct Clinical Significance in Hepatocellular Carcinoma. <i>Clinical Cancer Research</i> , 2018, 24, 547-559.	3.2	112
10	Circulating Tumor Cells with Stem-Like Phenotypes for Diagnosis, Prognosis, and Therapeutic Response Evaluation in Hepatocellular Carcinoma. <i>Clinical Cancer Research</i> , 2018, 24, 2203-2213.	3.2	102
11	Avoiding Thiol Compound Interference: A Nanoplatform Based on High-Fidelity Au-Se Bonds for Biological Applications. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5306-5309.	7.2	100
12	Clinical Significance of EpCAM mRNA-Positive Circulating Tumor Cells in Hepatocellular Carcinoma by an Optimized Negative Enrichment and qRT-PCR-Based Platform. <i>Clinical Cancer Research</i> , 2014, 20, 4794-4805.	3.2	99
13	Uniformly Shaped Poly(<i>p</i> -phenylenediamine) Microparticles: Shape-controlled Synthesis and Their Potential Application for the Removal of Lead Ions from Water. <i>Advanced Functional Materials</i> , 2008, 18, 1105-1111.	7.8	96
14	Size-controllable palladium nanoparticles immobilized on carbon nanospheres for nitroaromatic hydrogenation. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3783.	5.2	92
15	An Ultrasensitive Cyclization-Based Fluorescent Probe for Imaging Native HOBr in Live Cells and Zebrafish. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12751-12754.	7.2	90
16	Dissecting spatial heterogeneity and the immune-evasion mechanism of CTCs by single-cell RNA-seq in hepatocellular carcinoma. <i>Nature Communications</i> , 2021, 12, 4091.	5.8	90
17	Microwave-assisted synthesis of silver indium tungsten oxide mesocrystals and their selective photocatalytic properties. <i>Chemical Communications</i> , 2010, 46, 2277.	2.2	79
18	Sphere-forming culture enriches liver cancer stem cells and reveals Stearoyl-CoA desaturase 1 as a potential therapeutic target. <i>BMC Cancer</i> , 2019, 19, 760.	1.1	78

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19	Mesocrystals of Rutile TiO ₂ : Mesoscale Transformation, Crystallization, and Growth by a Biologic Molecules-Assisted Hydrothermal Process. <i>Crystal Growth and Design</i> , 2009, 9, 203-209.	1.4	75
20	High Upconversion Efficiency from Hetero Triplet-Triplet Annihilation in Multiacceptor Systems. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2334-2338.	2.1	75
21	Au-Se-Bond-Based Nanoprobe for Imaging MMP-2 in Tumor Cells under a High-Thiol Environment. <i>Analytical Chemistry</i> , 2018, 90, 4719-4724.	3.2	67
22	Anlotinib suppresses tumor progression via blocking the VEGFR2/PI3K/AKT cascade in intrahepatic cholangiocarcinoma. <i>Cell Death and Disease</i> , 2020, 11, 573.	2.7	65
23	A polymeric nanoparticle formulation of curcumin in combination with sorafenib synergistically inhibits tumor growth and metastasis in an orthotopic model of human hepatocellular carcinoma. <i>Biochemical and Biophysical Research Communications</i> , 2015, 468, 525-532.	1.0	59
24	Selective Chromogenic Detection of Thiol-Containing Biomolecules Using Carbonaceous Nanospheres Loaded with Silver Nanoparticles as Carrier. <i>ACS Nano</i> , 2011, 5, 3166-3171.	7.3	56
25	An Ultrasensitive Cyclization-Based Fluorescent Probe for Imaging Native HOBr in Live Cells and Zebrafish. <i>Angewandte Chemie</i> , 2016, 128, 12943-12946.	1.6	56
26	Circulating CD14 ⁺ HLA ^{DR} ^{low} myeloid-derived suppressor cells predicted early recurrence of hepatocellular carcinoma after surgery. <i>Hepatology Research</i> , 2017, 47, 1061-1071.	1.8	56
27	Surface plasmon-photosensitizer resonance coupling: an enhanced singlet oxygen production platform for broad-spectrum photodynamic inactivation of bacteria. <i>Journal of Materials Chemistry B</i> , 2014, 2, 7073-7081.	2.9	46
28	Apolipoprotein A1: a novel serum biomarker for predicting the prognosis of hepatocellular carcinoma after curative resection. <i>Oncotarget</i> , 2016, 7, 70654-70668.	0.8	44
29	Selective colorimetric detection of glutathione based on quasi-stable gold nanoparticles assembly. <i>New Journal of Chemistry</i> , 2013, 37, 3853.	1.4	43
30	Polymeric immunoglobulin receptor promotes tumor growth in hepatocellular carcinoma. <i>Hepatology</i> , 2017, 65, 1948-1962.	3.6	43
31	Unique Lamellar Sodium/Potassium Iron Oxide Nanosheets: Facile Microwave-Assisted Synthesis and Magnetic and Electrochemical Properties. <i>Chemistry of Materials</i> , 2011, 23, 3946-3952.	3.2	42
32	Real-Time in Situ Visualizing of the Sequential Activation of Caspase Cascade Using a Multicolor Gold-Selenium Bonding Fluorescent Nanoprobe. <i>Analytical Chemistry</i> , 2019, 91, 5994-6002.	3.2	41
33	Droplet-based PCR in a 3D-printed microfluidic chip for miRNA-21 detection. <i>Analytical Methods</i> , 2019, 11, 3286-3293.	1.3	33
34	Circulating microRNA-422a is associated with lymphatic metastasis in lung cancer. <i>Oncotarget</i> , 2017, 8, 42173-42188.	0.8	33
35	Dynamic Liquid Surface Enhanced Raman Scattering Platform Based on Soft Tubular Microfluidics for Label-Free Cell Detection. <i>Analytical Chemistry</i> , 2019, 91, 7973-7979.	3.2	32
36	Detection of circulating tumour cells enables early recurrence prediction in hepatocellular carcinoma patients undergoing liver transplantation. <i>Liver International</i> , 2021, 41, 562-573.	1.9	32

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37	Controllable Synthesis of Zinc-Substituted Ni - and Ni -Nickel Hydroxide Nanostructures and Their Collective Intrinsic Properties. <i>Chemistry - A European Journal</i> , 2008, 14, 8928-8938.	1.7	31
38	Simultaneous fluorescence imaging of selenol and hydrogen peroxide under normoxia and hypoxia in HepG2 cells and in vivo. <i>Chemical Communications</i> , 2016, 52, 6693-6696.	2.2	31
39	A nanosensor for in vivo selenol imaging based on the formation of Au-Se bonds. <i>Biomaterials</i> , 2016, 92, 81-89.	5.7	30
40	Long non-coding RNA00364 represses hepatocellular carcinoma cell proliferation via modulating p-STAT3-IFIT2 signaling axis. <i>Oncotarget</i> , 2017, 8, 102006-102019.	0.8	30
41	Novel Anatase TiO_2 Boxes and Tree-like Structures Assembled by Hollow Tubes: K^+ -Malic Acid-Assisted Hydrothermal Synthesis, Growth Mechanism, and Photocatalytic Properties. <i>Crystal Growth and Design</i> , 2009, 9, 1511-1518.	1.4	29
42	Plasmon-enhanced homogeneous and heterogeneous triplet-triplet annihilation by gold nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 14479-14483.	1.3	29
43	HOXB7 promotes tumor progression via bFGF-induced activation of MAPK/ERK pathway and indicated poor prognosis in hepatocellular carcinoma. <i>Oncotarget</i> , 2017, 8, 47121-47135.	0.8	29
44	KPNA3 Confers Sorafenib Resistance to Advanced Hepatocellular Carcinoma via TWIST Regulated Epithelial-Mesenchymal Transition. <i>Journal of Cancer</i> , 2019, 10, 3914-3925.	1.2	27
45	Application of Serum Annexin A3 in Diagnosis, Outcome Prediction and Therapeutic Response Evaluation for Patients with Hepatocellular Carcinoma. <i>Annals of Surgical Oncology</i> , 2018, 25, 1686-1694.	0.7	25
46	Syringe pump-assisted synthesis of water-soluble cubic structure Ag_2Se nanocrystals by a cation-exchange reaction. <i>Journal of Colloid and Interface Science</i> , 2008, 325, 351-355.	5.0	24
47	Ascorbic acid induced HepG2 cells' apoptosis via intracellular reductive stress. <i>Theranostics</i> , 2019, 9, 4233-4240.	4.6	24
48	Intelligent Control Strategy for Transient Response of a Variable Geometry Turbocharger System Based on Deep Reinforcement Learning. <i>Processes</i> , 2019, 7, 601.	1.3	24
49	Highly Erbium-Doped Nanoplatfrom with Enhanced Red Emission for Dual-Modal Optical-Imaging-Guided Photodynamic Therapy. <i>Inorganic Chemistry</i> , 2018, 57, 14594-14602.	1.9	23
50	Effect of surgical margin on recurrence based on preoperative circulating tumor cell status in hepatocellular carcinoma. <i>EBioMedicine</i> , 2020, 62, 103107.	2.7	23
51	Hierarchical silver indium tungsten oxide mesocrystals with morphology-, pressure-, and temperature-dependent luminescence properties. <i>Nano Research</i> , 2010, 3, 395-403.	5.8	22
52	Avoiding Thiol Compound Interference: A Nanoplatfrom Based on High-Fidelity Au-Se Bonds for Biological Applications. <i>Angewandte Chemie</i> , 2018, 130, 5404-5407.	1.6	22
53	Promyelocytic leukemia protein induces arsenic trioxide resistance through regulation of aldehyde dehydrogenase 3 family member A1 in hepatocellular carcinoma. <i>Cancer Letters</i> , 2015, 366, 112-122.	3.2	21
54	Tumour-suppressive role of PTPN13 in hepatocellular carcinoma and its clinical significance. <i>Tumor Biology</i> , 2016, 37, 9691-9698.	0.8	20

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55	PARG inhibition limits HCC progression and potentiates the efficacy of immune checkpoint therapy. <i>Journal of Hepatology</i> , 2022, 77, 140-151.	1.8	20
56	Engineering of Removing Sacrificial Materials in 3D-Printed Microfluidics. <i>Micromachines</i> , 2018, 9, 327.	1.4	19
57	Shanghai Score. <i>Chinese Medical Journal</i> , 2017, 130, 2650-2660.	0.9	18
58	A review of recent advancements in Ni-related materials used for microwave absorption. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 473003.	1.3	18
59	3D-Printed Concentration-Controlled Microfluidic Chip with Diffusion Mixing Pattern for the Synthesis of Alginate Drug Delivery Microgels. <i>Nanomaterials</i> , 2019, 9, 1451.	1.9	17
60	Porous nanocomposite membranes based on functional GO with selective function for lithium adsorption. <i>New Journal of Chemistry</i> , 2018, 42, 4432-4442.	1.4	16
61	Shifting Deep Reinforcement Learning Algorithm Toward Training Directly in Transient Real-World Environment: A Case Study in Powertrain Control. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 8198-8206.	7.2	16
62	TGM3 promotes epithelial-mesenchymal transition and hepatocellular carcinogenesis and predicts poor prognosis for patients after curative resection. <i>Digestive and Liver Disease</i> , 2020, 52, 668-676.	0.4	15
63	MicroRNA-19a-3p regulates cell growth through modulation of the PIK3IP1-AKT pathway in hepatocellular carcinoma. <i>Journal of Cancer</i> , 2020, 11, 2476-2484.	1.2	15
64	A fluorescent molecularly imprinted polymer sensor synthesized by atom transfer radical precipitation polymerization for determination of ultra trace fenvalerate in the environment. <i>RSC Advances</i> , 2016, 6, 81346-81353.	1.7	13
65	River meander-inspired cross-section in 3D-printed helical microchannels for inertial focusing and enrichment. <i>Sensors and Actuators B: Chemical</i> , 2019, 301, 127125.	4.0	13
66	Far upstream element-binding protein 1 facilitates hepatocellular carcinoma invasion and metastasis. <i>Carcinogenesis</i> , 2020, 41, 950-960.	1.3	13
67	Simulation and practice of particle inertial focusing in 3D-printed serpentine microfluidic chips via commercial 3D-printers. <i>Soft Matter</i> , 2020, 16, 3096-3105.	1.2	13
68	CD155/SRC complex promotes hepatocellular carcinoma progression via inhibiting the p38 MAPK signalling pathway and correlates with poor prognosis. <i>Clinical and Translational Medicine</i> , 2022, 12, e794.	1.7	13
69	Constructing porous intramolecular donor-acceptor integrated carbon nitride doped with <i>m</i> -aminophenol for boosting photocatalytic degradation and hydrogen evolution activity. <i>Catalysis Science and Technology</i> , 2022, 12, 4591-4604.	2.1	13
70	An Adaptive Hierarchical Energy Management Strategy for Hybrid Electric Vehicles Combining Heuristic Domain Knowledge and Data-Driven Deep Reinforcement Learning. <i>IEEE Transactions on Transportation Electrification</i> , 2022, 8, 3275-3288.	5.3	12
71	Differentially expressed miRNAs in hepatocellular carcinoma cells under hypoxic conditions are associated with transcription and phosphorylation. <i>Oncology Letters</i> , 2017, 15, 467-474.	0.8	11
72	Eight Hundred Years of Drought and Flood Disasters and Precipitation Sequence Reconstruction in Wuzhou City, Southwest China. <i>Water (Switzerland)</i> , 2019, 11, 219.	1.2	11

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73	BCL11B suppresses tumor progression and stem cell traits in hepatocellular carcinoma by restoring p53 signaling activity. <i>Cell Death and Disease</i> , 2020, 11, 895.	2.7	11
74	Zwitterion imprinted composite membranes with obvious antifouling character for selective separation of Li ions. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 707-715.	1.2	11
75	Facile PEG-based isolation and classification of cancer extracellular vesicles and particles with label-free surface-enhanced Raman scattering and pattern recognition algorithm. <i>Analyst</i> , 2021, 146, 1949-1955.	1.7	11
76	Drug preconcentration and direct quantification in biofluids using 3D-Printed paper cartridge. <i>Biosensors and Bioelectronics</i> , 2021, 189, 113266.	5.3	11
77	Simultaneously Enhanced Singlet Oxygen and Fluorescence Production of Nanoplatform by Surface Plasmon Resonance Coupling for Biomedical Applications. <i>Langmuir</i> , 2019, 35, 14833-14839.	1.6	10
78	Clinical Characteristics and Prognostic Factors of Patients with Intrahepatic Cholangiocarcinoma with Fever: A Propensity Score Matching Analysis. <i>Oncologist</i> , 2019, 24, 997-1007.	1.9	9
79	Plasmonic modulated upconversion fluorescence by adjustable distributed gold nanoparticles. <i>Journal of Luminescence</i> , 2020, 220, 116974.	1.5	9
80	Monitoring the Activation of Caspases-1/3/4 for Describing the Pyroptosis Pathways of Cancer Cells. <i>Analytical Chemistry</i> , 2021, 93, 12022-12031.	3.2	9
81	Targetable Mesoporous Silica Nanoprobes for Mapping the Subcellular Distribution of H ₂ Se in Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 17345-17351.	4.0	8
82	Elevated soluble programmed death-ligand 1 levels indicate immunosuppression and poor prognosis in hepatocellular carcinoma patients undergoing transcatheter arterial chemoembolization. <i>Clinica Chimica Acta</i> , 2020, 511, 67-74.	0.5	8
83	Mucin 1 promotes tumor progression through activating WNT/ β -catenin signaling pathway in intrahepatic cholangiocarcinoma. <i>Journal of Cancer</i> , 2021, 12, 6937-6947.	1.2	8
84	Excitation of surface plasmons in a single silver nanowire using higher-order-mode light. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 1751-1754.	1.3	7
85	Electronic, Optical, and Charge Transport Properties of New 2,1,3-Benzothiadiazole-Based Derivative for Organic Light-Emitting Diodes. <i>Spectroscopy Letters</i> , 2012, 45, 17-21.	0.5	7
86	Non-powered capillary force-driven stamped approach for directly printing nanomaterials aqueous solution on paper substrate. <i>Lab on A Chip</i> , 2020, 20, 931-941.	3.1	7
87	Mineralization of calcite ribbons on an <i>Allium fistulosum</i> L. bulb inner membrane in an ethanol-water mixed solvent under control of polyacrylic acid by a double diffusion method. <i>CrystEngComm</i> , 2010, 12, 3593.	1.3	6
88	Dual Control of Interparticle Forces in Assembly of Gold Nanoparticles. <i>ChemPlusChem</i> , 2013, 78, 506-514.	1.3	6
89	Light-Harvesting Photosensitizers for Photodynamic Inactivation of Bacteria under Both Visible and Near-Infrared Excitations. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1092-1097.	1.7	5
90	Elastoplastic Deformation of Silk Micro- and Nanostructures. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 893-899.	2.6	5

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91	Magnetic anomaly characteristics of surface crack defects in a titanium alloy plate. <i>Nondestructive Testing and Evaluation</i> , 2021, 36, 209-224.	1.1	5
92	Smartphone-Based Quantitative Fluorescence Detection of Flowing Droplets Using Embedded Ambient Light Sensor. <i>IEEE Sensors Journal</i> , 2021, 21, 4451-4461.	2.4	5
93	Removal of Sulfadiazine by Polyamide Nanofiltration Membranes: Measurement, Modeling, and Mechanisms. <i>Membranes</i> , 2021, 11, 104.	1.4	5
94	Patient-Derived Xenograft Models for Intrahepatic Cholangiocarcinoma and Their Application in Guiding Personalized Medicine. <i>Frontiers in Oncology</i> , 2021, 11, 704042.	1.3	5
95	Detecting QTL and Candidate Genes for Plant Height in Soybean via Linkage Analysis and GWAS. <i>Frontiers in Plant Science</i> , 2021, 12, 803820.	1.7	5
96	Dynamic response of aluminum honeycomb sandwich panels subjected to hypervelocity impact by porous volcanic rock projectile. <i>Journal of Mechanical Science and Technology</i> , 2019, 33, 2605-2616.	0.7	4
97	Simultaneous bioimaging of MMP-2 and MMP-7 via Au-Se constructed fluorescence nanoprobe. <i>Science China Chemistry</i> , 2020, 63, 135-140.	4.2	4
98	A plug-and-play 3D hydrodynamic focusing Raman platform for label-free and dynamic single microparticle detection. <i>Sensors and Actuators B: Chemical</i> , 2022, 369, 132273.	4.0	4
99	Anomalous dielectric behaviors of electrolyte solutions confined in graphene oxide nanochannels. <i>Scientific Reports</i> , 2021, 11, 18689.	1.6	3
100	Se-modified gold nanorods for enhancing the efficiency of photothermal therapy: avoiding the off-target problem induced by biothiols. <i>Journal of Materials Chemistry B</i> , 2021, 9, 8832-8841.	2.9	3
101	Differential network analysis depicts regulatory mechanisms for hepatocellular carcinoma from diverse backgrounds. <i>Future Oncology</i> , 2019, 15, 3917-3934.	1.1	2
102	QTL for Main Stem Node Number and Its Response to Plant Densities in 144 Soybean FW-RILs. <i>Frontiers in Plant Science</i> , 2021, 12, 666796.	1.7	2
103	Biological Characteristics of Cell Similarity Measure. <i>Advanced Intelligent Systems</i> , 2022, 4, 2100093.	3.3	2
104	Acid-driven aggregation of selenol-functionalized zwitterionic gold nanoparticles improves the photothermal treatment efficacy of tumors. <i>Materials Chemistry Frontiers</i> , 2022, 6, 775-782.	3.2	2
105	ELECTRON-WITHDRAWING SUBSTITUTED BTD-BASED DERIVATIVE: ELECTRONIC AND OPTICAL PROPERTIES, CHARGE TRANSFER, STABILITY STUDY. <i>Journal of Theoretical and Computational Chemistry</i> , 2011, 10, 829-838.	1.8	1
106	Magnetic testing for inter-granular crack defect of tubing coupling. <i>Nondestructive Testing and Evaluation</i> , 2018, 33, 119-129.	1.1	1
107	Comparison of immune profiles between hepatocellular carcinoma subtypes. <i>Biophysics Reports</i> , 2020, 6, 19-32.	0.2	1
108	Reply to the "Comment on "Investigation of dielectric constants of water in a nano-confined pore" by S. Mondal and B. Bagchi, <i>RSC Adv.</i> , 2020, 10, 1039/D0RA02726J. <i>RSC Advances</i> , 2021, 11, 5753-5754.	1.7	1

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109	Evaluation of Fatigue Damage in 304 Stainless Steel by Measuring Residual Magnetic Field. Studies in Applied Electromagnetics and Mechanics, 2020, , .	0.2	1
110	Dielectric Properties of Aqueous Electrolyte Solutions Confined in Silica Nanopore: Molecular Simulation vs. Continuum-Based Models. Membranes, 2022, 12, 220.	1.4	0