

Jian Zhou

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

658
papers

21,734
citations

71
h-index

113
g-index

686
ext. papers

26,920
ext. citations

5.6
avg, IF

7.42
L-index

#	Paper	IF	Citations
658	Penta-graphene: A new carbon allotrope. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 2372-7	11.5	763
657	Systemic immune-inflammation index predicts prognosis of patients after curative resection for hepatocellular carcinoma. <i>Clinical Cancer Research</i> , 2014 , 20, 6212-22	12.9	506
656	Tumor-Associated Neutrophils Recruit Macrophages and T-Regulatory Cells to Promote Progression of Hepatocellular Carcinoma and Resistance to Sorafenib. <i>Gastroenterology</i> , 2016 , 150, 1646-1658.e17	13.3	338
655	Guidelines for Diagnosis and Treatment of Primary Liver Cancer in China (2017 Edition). <i>Liver Cancer</i> , 2018 , 7, 235-260	9.1	291
654	Magnetism of phthalocyanine-based organometallic single porous sheet. <i>Journal of the American Chemical Society</i> , 2011 , 133, 15113-9	16.4	289
653	Circulating stem cell-like epithelial cell adhesion molecule-positive tumor cells indicate poor prognosis of hepatocellular carcinoma after curative resection. <i>Hepatology</i> , 2013 , 57, 1458-68	11.2	264
652	Electronic and magnetic properties of a BN sheet decorated with hydrogen and fluorine. <i>Physical Review B</i> , 2010 , 81,	3.3	247
651	Metroticket 2.0 Model for Analysis of Competing Risks of Death After Liver Transplantation for Hepatocellular Carcinoma. <i>Gastroenterology</i> , 2018 , 154, 128-139	13.3	234
650	Overexpression of CXCL5 mediates neutrophil infiltration and indicates poor prognosis for hepatocellular carcinoma. <i>Hepatology</i> , 2012 , 56, 2242-54	11.2	226
649	Flexible, Highly Graphitized Carbon Aerogels Based on Bacterial Cellulose/Lignin: Catalyst-Free Synthesis and its Application in Energy Storage Devices. <i>Advanced Functional Materials</i> , 2015 , 25, 3193-3202	15.6	219
648	Long-term prediction model of rockburst in underground openings using heuristic algorithms and support vector machines. <i>Safety Science</i> , 2012 , 50, 629-644	5.8	210
647	Controlling Antibody Orientation on Charged Self-Assembled Monolayers. <i>Langmuir</i> , 2003 , 19, 2859-2864		209
646	Classification of Rockburst in Underground Projects: Comparison of Ten Supervised Learning Methods. <i>Journal of Computing in Civil Engineering</i> , 2016 , 30, 04016003	5	204
645	Tuning electronic and magnetic properties of graphene by surface modification. <i>Applied Physics Letters</i> , 2009 , 95, 103108	3.4	185
644	Ultrafiltration membrane fouling caused by extracellular organic matter (EOM) from <i>Microcystis aeruginosa</i> : Effects of membrane pore size and surface hydrophobicity. <i>Journal of Membrane Science</i> , 2014 , 449, 58-66	9.6	184
643	Autophagy inhibition suppresses pulmonary metastasis of HCC in mice via impairing anoikis resistance and colonization of HCC cells. <i>Autophagy</i> , 2013 , 9, 2056-68	10.2	174
642	Coaxial Thermoplastic Elastomer-Wrapped Carbon Nanotube Fibers for Deformable and Wearable Strain Sensors. <i>Advanced Functional Materials</i> , 2018 , 28, 1705591	15.6	163

641	Electronic structures and bonding of graphyne sheet and its BN analog. <i>Journal of Chemical Physics</i> , 2011 , 134, 174701	3.9	163
640	Coarse-grained peptide modeling using a systematic multiscale approach. <i>Biophysical Journal</i> , 2007 , 92, 4289-303	2.9	160
639	Ubiquitylation of autophagy receptor Optineurin by HACE1 activates selective autophagy for tumor suppression. <i>Cancer Cell</i> , 2014 , 26, 106-20	24.3	156
638	Bioinspired graphene nanopores with voltage-tunable ion selectivity for Na(+) and K(+). <i>ACS Nano</i> , 2013 , 7, 10148-57	16.7	153
637	Ultrasensitive, Stretchable Strain Sensors Based on Fragmented Carbon Nanotube Papers. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 4835-4842	9.5	141
636	Combined hepatocellular carcinoma and cholangiocarcinoma: clinical features, treatment modalities, and prognosis. <i>Annals of Surgical Oncology</i> , 2012 , 19, 2869-76	3.1	141
635	The temperature-dependent microstructure of PEDOT/PSS films: insights from morphological, mechanical and electrical analyses. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 9903-9910	7.1	140
634	Experimental Study of Slabbing and Rockburst Induced by True-Triaxial Unloading and Local Dynamic Disturbance. <i>Rock Mechanics and Rock Engineering</i> , 2016 , 49, 3437-3453	5.7	138
633	miR-28-5p-IL-34-macrophage feedback loop modulates hepatocellular carcinoma metastasis. <i>Hepatology</i> , 2016 , 63, 1560-75	11.2	137
632	Molecular Simulation Studies of the Orientation and Conformation of Cytochrome c Adsorbed on Self-Assembled Monolayers. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 17418-17424	3.4	132
631	Diameter and helicity effects on static properties of water molecules confined in carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 829	3.6	131
630	CXCR2/CXCL5 axis contributes to epithelial-mesenchymal transition of HCC cells through activating PI3K/Akt/GSK-3 β /Snail signaling. <i>Cancer Letters</i> , 2015 , 358, 124-135	9.9	127
629	B-crystallin complexes with 14-3-3 σ to induce epithelial-mesenchymal transition and resistance to sorafenib in hepatocellular carcinoma. <i>Hepatology</i> , 2013 , 57, 2235-47	11.2	124
628	Long noncoding RNA HULC modulates the phosphorylation of YB-1 through serving as a scaffold of extracellular signal-regulated kinase and YB-1 to enhance hepatocarcinogenesis. <i>Hepatology</i> , 2017 , 65, 1612-1627	11.2	123
627	Comparative performance of six supervised learning methods for the development of models of hard rock pillar stability prediction. <i>Natural Hazards</i> , 2015 , 79, 291-316	3	120
626	A Comparative Study of PSO-ANN, GA-ANN, ICA-ANN, and ABC-ANN in Estimating the Heating Load of Buildings Energy Efficiency for Smart City Planning. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2630	2.6	119
625	Orientation of Adsorbed Antibodies on Charged Surfaces by Computer Simulation Based on a United-Residue Model. <i>Langmuir</i> , 2003 , 19, 3472-3478	4	116
624	Improving electrical conductivity in polycarbonate nanocomposites using highly conductive PEDOT/PSS coated MWCNTs. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 6189-200	9.5	112

623	CXCL5 contributes to tumor metastasis and recurrence of intrahepatic cholangiocarcinoma by recruiting infiltrative intratumoral neutrophils. <i>Carcinogenesis</i> , 2014 , 35, 597-605	4.6	109
622	Exfoliated graphene-supported Pt and Pt-based alloys as electrocatalysts for direct methanol fuel cells. <i>Carbon</i> , 2013 , 52, 595-604	10.4	109
621	Bacterial community structure in simultaneous nitrification, denitrification and organic matter removal process treating saline mustard tuber wastewater as revealed by 16S rRNA sequencing. <i>Bioresource Technology</i> , 2017 , 228, 31-38	11	107
620	High expression of IL-17 and IL-17RE associate with poor prognosis of hepatocellular carcinoma. <i>Journal of Experimental and Clinical Cancer Research</i> , 2013 , 32, 3	12.8	104
619	Margin-infiltrating CD20(+) B cells display an atypical memory phenotype and correlate with favorable prognosis in hepatocellular carcinoma. <i>Clinical Cancer Research</i> , 2013 , 19, 5994-6005	12.9	103
618	miR-612 suppresses the invasive-metastatic cascade in hepatocellular carcinoma. <i>Journal of Experimental Medicine</i> , 2013 , 210, 789-803	16.6	103
617	Feasibility of Random-Forest Approach for Prediction of Ground Settlements Induced by the Construction of a Shield-Driven Tunnel. <i>International Journal of Geomechanics</i> , 2017 , 17, 04016129	3.1	101
616	Supervised Machine Learning Techniques to the Prediction of Tunnel Boring Machine Penetration Rate. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3715	2.6	100
615	Semi-metallic, strong and stretchable wet-spun conjugated polymer microfibers. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 2528-2538	7.1	100
614	Anomalous hydration shell order of Na ⁺ and K ⁺ inside carbon nanotubes. <i>Nano Letters</i> , 2009 , 9, 989-94	11.5	99
613	Single-cell landscape of the ecosystem in early-relapse hepatocellular carcinoma. <i>Cell</i> , 2021 , 184, 404-421	16.16	96
612	Highly transparent, low-haze, hybrid cellulose nanopaper as electrodes for flexible electronics. <i>Nanoscale</i> , 2016 , 8, 12294-306	7.7	95
611	MiR-146a enhances angiogenic activity of endothelial cells in hepatocellular carcinoma by promoting PDGFRA expression. <i>Carcinogenesis</i> , 2013 , 34, 2071-9	4.6	93
610	Activating mutations in PTPN3 promote cholangiocarcinoma cell proliferation and migration and are associated with tumor recurrence in patients. <i>Gastroenterology</i> , 2014 , 146, 1397-407	13.3	92
609	Random Forests and Cubist Algorithms for Predicting Shear Strengths of Rockfill Materials. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1621	2.6	91
608	Overexpression of HnRNP A1 promotes tumor invasion through regulating CD44v6 and indicates poor prognosis for hepatocellular carcinoma. <i>International Journal of Cancer</i> , 2013 , 132, 1080-9	7.5	91
607	Serum exosomal miR-125b is a novel prognostic marker for hepatocellular carcinoma. <i>OncoTargets and Therapy</i> , 2017 , 10, 3843-3851	4.4	87
606	Adjuvant Transarterial Chemoembolization for HBV-Related Hepatocellular Carcinoma After Resection: A Randomized Controlled Study. <i>Clinical Cancer Research</i> , 2018 , 24, 2074-2081	12.9	84

605	Monte Carlo simulations of antibody adsorption and orientation on charged surfaces. <i>Journal of Chemical Physics</i> , 2004 , 121, 1050-7	3.9	84
604	Polydopamine-based synthesis of a zeolite imidazolate framework ZIF-100 membrane with high H ₂ /CO ₂ selectivity. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 4722-4728	13	82
603	Cell Culture System for Analysis of Genetic Heterogeneity Within Hepatocellular Carcinomas and Response to Pharmacologic Agents. <i>Gastroenterology</i> , 2017 , 152, 232-242.e4	13.3	81
602	Support vector machines approach to mean particle size of rock fragmentation due to bench blasting prediction. <i>Transactions of Nonferrous Metals Society of China</i> , 2012 , 22, 432-441	3.3	81
601	High-capacity conductive polymer microfibers as fast response wearable heaters and electromechanical actuators. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 1238-1249	7.1	80
600	Targeting CPT1A-mediated fatty acid oxidation sensitizes nasopharyngeal carcinoma to radiation therapy. <i>Theranostics</i> , 2018 , 8, 2329-2347	12.1	80
599	Noble Gas Adsorption in Copper Trimesate, HKUST-1: An Experimental and Computational Study. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 20116-20126	3.8	80
598	Human miR-1228 as a stable endogenous control for the quantification of circulating microRNAs in cancer patients. <i>International Journal of Cancer</i> , 2014 , 135, 1187-94	7.5	79
597	Peptide folding using multiscale coarse-grained models. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 13079-90	3.7	79
596	A Positive Feedback Loop Between Cancer Stem-Like Cells and Tumor-Associated Neutrophils Controls Hepatocellular Carcinoma Progression. <i>Hepatology</i> , 2019 , 70, 1214-1230	11.2	75
595	Synthesis and antibacterial activity of pyridinium-tailored 2,5-substituted-1,3,4-oxadiazole thioether/sulfoxide/sulfone derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 1214-7	2.9	74
594	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	22.4	73
593	Microvascular invasion (MVI) is a poorer prognostic predictor for small hepatocellular carcinoma. <i>BMC Cancer</i> , 2014 , 14, 38	4.8	73
592	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	12.9	72
591	HNRNPAB induces epithelial-mesenchymal transition and promotes metastasis of hepatocellular carcinoma by transcriptionally activating SNAIL. <i>Cancer Research</i> , 2014 , 74, 2750-62	10.1	72
590	Deep neural network and whale optimization algorithm to assess flyrock induced by blasting. <i>Engineering With Computers</i> , 2021 , 37, 173-186	4.5	72
589	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, 4794-805	13.0	71
588	Start-up and bacterial communities of single-stage nitrogen removal using anammox and partial nitritation (SNAP) for treatment of high strength ammonia wastewater. <i>Bioresource Technology</i> , 2014 , 169, 652-657	11	71

587	Efficient simultaneous partial nitrification, anammox and denitrification (SNAD) system equipped with a real-time dissolved oxygen (DO) intelligent control system and microbial community shifts of different substrate concentrations. <i>Water Research</i> , 2017 , 119, 201-211	12.5	70
586	Ubiquitin-specific protease 7 accelerates p14(ARF) degradation by deubiquitinating thyroid hormone receptor-interacting protein 12 and promotes hepatocellular carcinoma progression. <i>Hepatology</i> , 2015 , 61, 1603-14	11.2	70
585	MiR-612 suppresses the stemness of liver cancer via Wnt/ β -catenin signaling. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 447, 210-5	3.4	70
584	B7-H3 is expressed in human hepatocellular carcinoma and is associated with tumor aggressiveness and postoperative recurrence. <i>Cancer Immunology, Immunotherapy</i> , 2012 , 61, 2171-82	7.4	70
583	Molecular simulation study of temperature effect on ionic hydration in carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 1896-906	3.6	70
582	High-throughput computational screening of 137953 metal-organic frameworks for membrane separation of a CO ₂ /N ₂ /CH ₄ mixture. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 15904-15912	13	70
581	Highly selective and efficient removal of fluoride from ground water by layered Al-Zr-La Tri-metal hydroxide. <i>Applied Surface Science</i> , 2018 , 435, 920-927	6.7	70
580	Utilizing gradient boosted machine for the prediction of damage to residential structures owing to blasting vibrations of open pit mining. <i>JVC/Journal of Vibration and Control</i> , 2016 , 22, 3986-3997	2	69
579	The functional impairment of HCC-infiltrating $\gamma\delta$ T cells, partially mediated by regulatory T cells in a TGF β and IL-10-dependent manner. <i>Journal of Hepatology</i> , 2013 , 58, 977-83	13.4	68
578	Radiomics score: a potential prognostic imaging feature for postoperative survival of solitary HCC patients. <i>BMC Cancer</i> , 2018 , 18, 1148	4.8	68
577	PKM2 promotes metastasis by recruiting myeloid-derived suppressor cells and indicates poor prognosis for hepatocellular carcinoma. <i>Oncotarget</i> , 2015 , 6, 846-61	3.3	67
576	Probing carbon nanotube-amino acid interactions in aqueous solution with molecular dynamics simulations. <i>Carbon</i> , 2014 , 78, 500-509	10.4	66
575	High expression of Dickkopf-related protein 1 is related to lymphatic metastasis and indicates poor prognosis in intrahepatic cholangiocarcinoma patients after surgery. <i>Cancer</i> , 2013 , 119, 993-1003	6.4	64
574	Phase Behavior of Mixed Self-Assembled Monolayers of Alkanethiols on Au(111): A Configurational-Bias Monte Carlo Simulation Study. <i>Langmuir</i> , 2001 , 17, 7566-7572	4	63
573	Deformable and wearable carbon nanotube microwire-based sensors for ultrasensitive monitoring of strain, pressure and torsion. <i>Nanoscale</i> , 2017 , 9, 604-612	7.7	62
572	Circular RNA circMET drives immunosuppression and anti-PD1 therapy resistance in hepatocellular carcinoma via the miR-30-5p/snail/DPP4 axis. <i>Molecular Cancer</i> , 2020 , 19, 92	42.1	62
571	Design of amine-functionalized metal-organic frameworks for CO ₂ separation: the more amine, the better?. <i>Chemical Communications</i> , 2016 , 52, 974-7	5.8	62
570	Detecting Circulating Tumor DNA in Hepatocellular Carcinoma Patients Using Droplet Digital PCR Is Feasible and Reflects Intratumoral Heterogeneity. <i>Journal of Cancer</i> , 2016 , 7, 1907-1914	4.5	62

569	CCL15 Recruits Suppressive Monocytes to Facilitate Immune Escape and Disease Progression in Hepatocellular Carcinoma. <i>Hepatology</i> , 2019 , 69, 143-159	11.2	61
568	Lignin-based carbon fibers: Carbon nanotube decoration and superior thermal stability. <i>Carbon</i> , 2014 , 80, 91-102	10.4	61
567	MiR-302c inhibits tumor growth of hepatocellular carcinoma by suppressing the endothelial-mesenchymal transition of endothelial cells. <i>Scientific Reports</i> , 2014 , 4, 5524	4.9	60
566	Lipase adsorption on different nanomaterials: a multi-scale simulation study. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 840-50	3.6	60
565	Diverse modes of clonal evolution in HBV-related hepatocellular carcinoma revealed by single-cell genome sequencing. <i>Cell Research</i> , 2018 , 28, 359-373	24.7	60
564	Effect of composition on the formation of poly(dl-lactide) microspheres for drug delivery systems: Mesoscale simulations. <i>Chemical Engineering Journal</i> , 2007 , 131, 195-201	14.7	60
563	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	12.9	59
562	MicroRNA-30a suppresses autophagy-mediated anoikis resistance and metastasis in hepatocellular carcinoma. <i>Cancer Letters</i> , 2018 , 412, 108-117	9.9	59
561	EBV-LMP1 suppresses the DNA damage response through DNA-PK/AMPK signaling to promote radioresistance in nasopharyngeal carcinoma. <i>Cancer Letters</i> , 2016 , 380, 191-200	9.9	59
560	Tuning magnetic properties of graphene nanoribbons with topological line defects: From antiferromagnetic to ferromagnetic. <i>Physical Review B</i> , 2012 , 85,	3.3	59
559	Circumventing intratumoral heterogeneity to identify potential therapeutic targets in hepatocellular carcinoma. <i>Journal of Hepatology</i> , 2017 , 67, 293-301	13.4	58
558	Activated and Exhausted MAIT Cells Foster Disease Progression and Indicate Poor Outcome in Hepatocellular Carcinoma. <i>Clinical Cancer Research</i> , 2019 , 25, 3304-3316	12.9	57
557	Adsorption of hydrophobin on different self-assembled monolayers: the role of the hydrophobic dipole and the electric dipole. <i>Langmuir</i> , 2014 , 30, 11401-11	4	56
556	The potential multiple mechanisms and microbial communities in simultaneous nitrification and denitrification process treating high carbon and nitrogen concentration saline wastewater. <i>Bioresource Technology</i> , 2017 , 243, 708-715	11	56
555	Laser-engraved carbon nanotube paper for instilling high sensitivity, high stretchability, and high linearity in strain sensors. <i>Nanoscale</i> , 2017 , 9, 10897-10905	7.7	55
554	Plasma microRNA, a potential biomarker for acute rejection after liver transplantation. <i>Transplantation</i> , 2013 , 95, 991-9	1.8	55
553	Multi-planar detection optimization algorithm for the interval charging structure of large-diameter longhole blasting design based on rock fragmentation aspects. <i>Engineering Optimization</i> , 2018 , 50, 2177-2191	2.191	54
552	Diffusion of water molecules confined in slits of rutile TiO ₂ (1 1 0) and graphite(0 0 0 1). <i>Fluid Phase Equilibria</i> , 2011 , 302, 316-320	2.5	54

551	Adsorption and Diffusion of Supercritical Carbon Dioxide in Slit Pores. <i>Langmuir</i> , 2000 , 16, 8063-8070	4	53
550	Sulfur and iron cycles promoted nitrogen and phosphorus removal in electrochemically assisted vertical flow constructed wetland treating wastewater treatment plant effluent with high S/N ratio. <i>Water Research</i> , 2019 , 151, 20-30	12.5	53
549	The nanomechanical signature of liver cancer tissues and its molecular origin. <i>Nanoscale</i> , 2015 , 7, 12998-3010	3.0	52
548	Mesoscopic coarse-grained simulations of lysozyme adsorption. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 4451-60	3.4	52
547	Proteasome inhibitor interacts synergistically with autophagy inhibitor to suppress proliferation and induce apoptosis in hepatocellular carcinoma. <i>Cancer</i> , 2012 , 118, 5560-71	6.4	52
546	Patterning Graphitic C-N Sheets into a Kagome Lattice for Magnetic Materials. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 259-63	6.4	52
545	A novel process combining simultaneous partial nitrification, anammox and denitrification (SNAD) with denitrifying phosphorus removal (DPR) to treat sewage. <i>Bioresource Technology</i> , 2016 , 222, 309-316	11	52
544	Simultaneous partial nitrification, anammox and denitrification (SNAD) process for nitrogen and refractory organic compounds removal from mature landfill leachate: Performance and metagenome-based microbial ecology. <i>Bioresource Technology</i> , 2019 , 294, 122166	11	50
543	The elevated preoperative neutrophil-to-lymphocyte ratio predicts poor prognosis in intrahepatic cholangiocarcinoma patients undergoing hepatectomy. <i>Tumor Biology</i> , 2015 , 36, 5283-9	2.9	50
542	Overexpression of interleukin-35 associates with hepatocellular carcinoma aggressiveness and recurrence after curative resection. <i>British Journal of Cancer</i> , 2016 , 114, 767-76	8.7	50
541	Bayberry tannin immobilized bovine serum albumin nanospheres: characterization, irradiation stability and selective removal of uranyl ions from radioactive wastewater. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 15359-15370	13	50
540	Effects of COD/TN ratio on nitrogen removal efficiency, microbial community for high saline wastewater treatment based on heterotrophic nitrification-aerobic denitrification process. <i>Bioresource Technology</i> , 2020 , 301, 122726	11	50
539	Estimating the Heating Load of Buildings for Smart City Planning Using a Novel Artificial Intelligence Technique PSO-XGBoost. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2714	2.6	49
538	Biomarkers for hepatocellular carcinoma: progression in early diagnosis, prognosis, and personalized therapy. <i>Biomarker Research</i> , 2013 , 1, 10	8	49
537	Neddylation pathway is up-regulated in human intrahepatic cholangiocarcinoma and serves as a potential therapeutic target. <i>Oncotarget</i> , 2014 , 5, 7820-32	3.3	49
536	Ice-like Water Structure in Carbon Nanotube (8,8) Induces Cationic Hydration Enhancement. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 11412-11420	3.8	49
535	Effect of different potassium species on the deactivation of V2O5-WO3/TiO2 SCR catalyst: Comparison of K2SO4, KCl and K2O. <i>Chemical Engineering Journal</i> , 2018 , 348, 637-643	14.7	49
534	MicroRNA-29a induces loss of 5-hydroxymethylcytosine and promotes metastasis of hepatocellular carcinoma through a TET-SOCS1-MMP9 signaling axis. <i>Cell Death and Disease</i> , 2017 , 8, e2906	9.8	48

533	Spatiotemporal Changes of Cyanobacterial Bloom in Large Shallow Eutrophic Lake Taihu, China. <i>Frontiers in Microbiology</i> , 2018 , 9, 451	5.7	47
532	Multiscale simulations of protein G B1 adsorbed on charged self-assembled monolayers. <i>Langmuir</i> , 2013 , 29, 11366-74	4	47
531	Promoting colonization in metastatic HCC cells by modulation of autophagy. <i>PLoS ONE</i> , 2013 , 8, e74407	3.7	47
530	Start-up and microbial communities of a simultaneous nitrogen removal system for high salinity and high nitrogen organic wastewater via heterotrophic nitrification. <i>Bioresource Technology</i> , 2016 , 216, 196-202	11	47
529	Effects of external electric fields on lysozyme adsorption by molecular dynamics simulations. <i>Biophysical Chemistry</i> , 2013 , 179, 26-34	3.5	46
528	Strain-Induced Spin Crossover in Phthalocyanine-Based Organometallic Sheets. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 3109-14	6.4	46
527	Molecular Dynamics Study on Diameter Effect in Structure of Ethanol Molecules Confined in Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 15677-15685	3.8	46
526	miR-296-5p suppresses EMT of hepatocellular carcinoma via attenuating NRG1/ERBB2/ERBB3 signaling. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018 , 37, 294	12.8	46
525	Staging, prognostic factors and adjuvant therapy of intrahepatic cholangiocarcinoma after curative resection. <i>Liver International</i> , 2014 , 34, 953-60	7.9	45
524	miR-504 mediated down-regulation of nuclear respiratory factor 1 leads to radio-resistance in nasopharyngeal carcinoma. <i>Oncotarget</i> , 2015 , 6, 15995-6018	3.3	45
523	Controlling cyanobacterial blooms by managing nutrient ratio and limitation in a large hyper-eutrophic lake: Lake Taihu, China. <i>Journal of Environmental Sciences</i> , 2015 , 27, 80-6	6.4	44
522	Association of preoperative EpCAM Circulating Tumor Cells and peripheral Treg cell levels with early recurrence of hepatocellular carcinoma following radical hepatic resection. <i>BMC Cancer</i> , 2016 , 16, 506	4.8	44
521	Negative impact of preoperative platelet-lymphocyte ratio on outcome after hepatic resection for intrahepatic cholangiocarcinoma. <i>Medicine (United States)</i> , 2015 , 94, e574	1.8	43
520	Critical appraisal of Chinese 2017 guideline on the management of hepatocellular carcinoma. <i>Hepatobiliary Surgery and Nutrition</i> , 2017 , 6, 387-396	2.1	43
519	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	4.8	43
518	Porous core-shell carbon fibers derived from lignin and cellulose nanofibrils. <i>Materials Letters</i> , 2013 , 109, 175-178	3.3	43
517	Plasma Circulating Cell-free DNA Integrity as a Promising Biomarker for Diagnosis and Surveillance in Patients with Hepatocellular Carcinoma. <i>Journal of Cancer</i> , 2016 , 7, 1798-1803	4.5	43
516	DNMT1 mediates metabolic reprogramming induced by Epstein-Barr virus latent membrane protein 1 and reversed by grifolin in nasopharyngeal carcinoma. <i>Cell Death and Disease</i> , 2018 , 9, 619	9.8	43

515	Circulating CD14 HLA-DR myeloid-derived suppressor cells predicted early recurrence of hepatocellular carcinoma after surgery. <i>Hepatology Research</i> , 2017 , 47, 1061-1071	5.1	42
514	Tumor-associated macrophages modulate resistance to oxaliplatin via inducing autophagy in hepatocellular carcinoma. <i>Cancer Cell International</i> , 2019 , 19, 71	6.4	41
513	Computer simulations of fibronectin adsorption on hydroxyapatite surfaces. <i>RSC Advances</i> , 2014 , 4, 15759	5.9	41
512	Capn4 contributes to tumour growth and metastasis of hepatocellular carcinoma by activation of the FAK-Src signalling pathways. <i>Journal of Pathology</i> , 2014 , 234, 316-28	9.4	41
511	Prognostic significance of Capn4 overexpression in intrahepatic cholangiocarcinoma. <i>PLoS ONE</i> , 2013 , 8, e54619	3.7	41
510	Procedural growth of fungal hyphae/Fe3O4/graphene oxide as ordered-structure composites for water purification. <i>Chemical Engineering Journal</i> , 2019 , 355, 777-783	14.7	41
509	Associating Liver Partition and Portal Vein Ligation for Staged Hepatectomy for Unresectable Hepatitis B Virus-related Hepatocellular Carcinoma: A Single Center Study of 45 Patients. <i>Annals of Surgery</i> , 2020 , 271, 534-541	7.8	41
508	Unraveling the Order and Disorder in Poly(3,4-ethylenedioxythiophene)/Poly(styrenesulfonate) Nanofilms. <i>Macromolecules</i> , 2015 , 48, 5688-5696	5.5	40
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95	Pretreatment of hypersaline mustard wastewater with integrated bioreactor. <i>Journal of Central South University</i> , 2012 , 19, 1673-1678	2.1	3
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