Chi-hua Fang

List of Publications by Year
in descending order

71	1,788	257450	315739
papers	citations	24	38
		h-index	g-index

96	96	96	2467
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Hepatocellular Carcinoma Targeting Nanostrategy with Hypoxia-Ameliorating and Photothermal Abilities that, Combined with Immunotherapy, Inhibits Metastasis and Recurrence. ACS Nano, 2020, 14, 12679-12696.	14.6	116
2	Targeting carbon nanotubes based on IGF-1R for photothermal therapy of orthotopic pancreatic cancer guided by optical imaging. Biomaterials, 2019, 195, 13-22.	11.4	94
3	Impact of Three-Dimensional Reconstruction Technique in the Operation Planning of Centrally Located Hepatocellular Carcinoma. Journal of the American College of Surgeons, 2015, 220, 28-37.	0.5	69
4	Cancer Diagnosis and Imaging-Guided Photothermal Therapy Using a Dual-Modality Nanoparticle. ACS Applied Materials & Interfaces, 2016, 8, 29232-29241.	8.0	68
5	Consensus recommendations of three-dimensional visualization for diagnosis and management of liver diseases. Hepatology International, 2020, 14, 437-453.	4.2	68
6	Linear array-based real-time photoacoustic imaging system with a compact coaxial excitation handheld probe for noninvasive sentinel lymph node mapping. Biomedical Optics Express, 2018, 9, 1408.	2.9	66
7	Dye-conjugated single-walled carbon nanotubes induce photothermal therapy under the guidance of near-infrared imaging. Cancer Letters, 2016, 383, 243-249.	7.2	65
8	Near infrared-emitting persistent luminescent nanoparticles for Hepatocellular Carcinoma imaging and luminescence-guided surgery. Biomaterials, 2018, 167, 216-225.	11.4	63
9	Digital and intelligent liver surgery in the new era: Prospects and dilemmas. EBioMedicine, 2019, 41, 693-701.	6.1	58
10	Real-time navigation for laparoscopic hepatectomy using image fusion of preoperative 3D surgical plan and intraoperative indocyanine green fluorescence imaging. Surgical Endoscopy and Other Interventional Techniques, 2020, 34, 3449-3459.	2.4	58
11	Intraoperative Identification of Liver Cancer Microfoci Using a Targeted Near-Infrared Fluorescent Probe for Imaging-Guided Surgery. Scientific Reports, 2016, 6, 21959.	3.3	54
12	From Detection to Resection: Photoacoustic Tomography and Surgery Guidance with Indocyanine Green Loaded Gold Nanorod@liposome Coreâ€"Shell Nanoparticles in Liver Cancer. Bioconjugate Chemistry, 2017, 28, 1221-1228.	3.6	52
13	Augmented reality navigation for liver resection with a stereoscopic laparoscope. Computer Methods and Programs in Biomedicine, 2020, 187, 105099.	4.7	49
14	Outcomes of Hepatectomy for Hepatolithiasis Based on 3-Dimensional Reconstruction Technique. Journal of the American College of Surgeons, 2013, 217, 280-288.	0.5	47
15	A radiomics-based nomogram for the preoperative prediction of posthepatectomy liver failure in patients with hepatocellular carcinoma. Surgical Oncology, 2019, 28, 78-85.	1.6	46
16	Novel small molecular dye-loaded lipid nanoparticles with efficient near-infrared-II absorption for photoacoustic imaging and photothermal therapy of hepatocellular carcinoma. Biomaterials Science, 2019, 7, 3165-3177.	5.4	44
17	Theranostic imaging of liver cancer using targeted optical/MRI dual-modal probes. Oncotarget, 2017, 8, 32741-32751.	1.8	41
18	Illuminating necrosis: From mechanistic exploration to preclinical application using fluorescence molecular imaging with indocyanine green. Scientific Reports, 2016, 6, 21013.	3.3	34

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19	Minimally invasive photothermal ablation assisted by laparoscopy as an effective preoperative neoadjuvant treatment for orthotopic hepatocellular carcinoma. Cancer Letters, 2021, 496, 169-178.	7.2	34
20	Function of oval cells in hepatocellular carcinoma in rats. World Journal of Gastroenterology, 2004, 10, 2482.	3.3	32
21	Three-Dimensional Reconstruction of the Peripancreatic Vascular System Based on Computed Tomographic Angiography Images and Its Clinical Application in the Surgical Management of Pancreatic Tumors. Pancreas, 2014, 43, 389-395.	1.1	30
22	Fast automatic 3D liver segmentation based on a three-level AdaBoost-guided active shape model. Medical Physics, 2016, 43, 2421-2434.	3.0	30
23	A radiomics-based formula for the preoperative prediction of postoperative pancreatic fistula in patients with pancreaticoduodenectomy. Cancer Management and Research, 2018, Volume 10, 6469-6478.	1.9	26
24	Clothing spiny nanoprobes against the mononuclear phagocyte system clearance in vivo: Photoacoustic diagnosis and photothermal treatment of early stage liver cancer with erythrocyte membrane-camouflaged gold nanostars. Applied Materials Today, 2020, 18, 100484.	4.3	26
25	Accuracy of actual resected liver volume in anatomical liver resections guided by 3‑dimensional parenchymal staining using fusion indocyanine green fluorescence imaging. Journal of Surgical Oncology, 2018, 118, 1081-1087.	1.7	25
26	Postoperative liver volume was accurately predicted by a medical image three dimensional visualization system in hepatectomy for liver cancer. Surgical Oncology, 2017, 26, 188-194.	1.6	24
27	Individualized preoperative planning using three-dimensional modeling for Bismuth and Corlette type III hilar cholangiocarcinoma. World Journal of Surgical Oncology, 2016, 14, 44.	1.9	23
28	Radiomic Feature-Based Predictive Model for Microvascular Invasion in Patients With Hepatocellular Carcinoma. Frontiers in Oncology, 2020, 10, 574228.	2.8	23
29	Body Mass Index and Stump Morphology Predict an Increased Incidence of Pancreatic Fistula After Pancreaticoduodenectomy. World Journal of Surgery, 2016, 40, 1467-1476.	1.6	22
30	Targeted and Multifunctional Technology for Identification between Hepatocellular Carcinoma and Liver Cirrhosis. ACS Applied Materials & Interfaces, 2019, 11, 14526-14537.	8.0	20
31	Biocompatible melanin based theranostic agent for *in vivo* detection and ablation of orthotopic micro-hepatocellular carcinoma. Biomaterials Science, 2020, 8, 4322-4333.	5.4	20
32	A narrative review of near-infrared fluorescence imaging in hepatectomy for hepatocellular carcinoma. Annals of Translational Medicine, 2021, 9, 171-171.	1.7	19
33	Augmented Reality Navigation for Stereoscopic Laparoscopic Anatomical Hepatectomy of Primary Liver Cancer: Preliminary Experience. Frontiers in Oncology, 2021, 11, 663236.	2.8	18
34	To assess the benefits of medical image three-dimensional visualization system assisted pancreaticoduodenctomy for patients with hepatic artery variance. International Journal of Medical Robotics and Computer Assisted Surgery, 2014, 10, 410-417.	2.3	17
35	Computer-aided rigid choledochoscopy lithotripsy for hepatolithiasis. Journal of Surgical Research, 2015, 195, 105-112.	1.6	17
36	Novel GPC3-binding WS_2-Ga^{3+}-PEG-peptide nanosheets for *in vivo* bimodal imaging-guided photothermal therapy. Nanomedicine, 2018, 13, 1681-1693.	3.3	17

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37	Plasmonic-doped melanin-mimic for CXCR4-targeted NIR-II photoacoustic computed tomography-guided photothermal ablation of orthotopic hepatocellular carcinoma. Acta Biomaterialia, 2021, 129, 245-257.	8.3	15
38	A multifunctional targeted nanoprobe with high NIR-II PAI/MRI performance for precise theranostics of orthotopic early-stage hepatocellular carcinoma. Journal of Materials Chemistry B, 2021, 9, 8779-8792.	5.8	15
39	The Safety and Feasibility of Three-Dimensional Visualization Technology Assisted Right Posterior Lobe Allied with Part of V and VIII Sectionectomy for Right Hepatic Malignancy Therapy. Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A, 2018, 28, 586-594.	1.0	14
40	Background-suppressed tumor-targeted photoacoustic imaging using bacterial carriers. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	14
41	Visualizing tumor angiogenesis and boundary with polygon-scanning multiscale photoacoustic microscopy. Photoacoustics, 2022, 26, 100342.	7.8	14
42	Importance of Microvascular Invasion Risk and Tumor Size on Recurrence and Survival of Hepatocellular Carcinoma After Anatomical Resection and Non-anatomical Resection. Frontiers in Oncology, 2021, 11, 621622.	2.8	13
43	Application of molecular imaging technology in evaluating the inhibiting effect of apigenin in vivo on subcutaneous hepatocellular carcinoma. Biochemical and Biophysical Research Communications, 2017, 487, 122-127.	2.1	12
44	An Innovation for Treating Orthotopic Pancreatic Cancer by Preoperative Screening and Imaging-Guided Surgery. Molecular Imaging and Biology, 2019, 21, 67-77.	2.6	12
45	Comparison of liver volumetry on contrast-enhanced CT images: one semiautomatic and two automatic approaches. Journal of Applied Clinical Medical Physics, 2016, 17, 118-127.	1.9	11
46	Impact of three-dimensional visualization technology on surgical strategies in complex hepatic cancer. BioScience Trends, 2018, 12, 476-483.	3.4	11
47	Laparoscopic in Situ Anatomical Mesohepatectomy for Solitary Massive HCC Using Combined Intrafascial and Extrafascial Approaches With Indocyanine Green Navigation (with Video). Annals of Surgical Oncology, 2022, 29, 2034-2040.	1.5	10
48	Targeted-detection and sequential-treatment of small hepatocellular carcinoma in the complex liver environment by GPC-3-targeted nanoparticles. Journal of Nanobiotechnology, 2022, 20, 156.	9.1	9
49	Contrast-Enhanced Multispectral Photoacoustic Imaging for Irregular Hepatectomy Navigation: A Pilot Study. ACS Biomaterials Science and Engineering, 2020, 6, 5874-5885.	5.2	8
50	Concordance Study in Hepatectomy Recommendations Between Watson for Oncology and Clinical Practice for Patients with Hepatocellular Carcinoma in China. World Journal of Surgery, 2020, 44, 1945-1953.	1.6	8
51	A microenvironment-responsive FePt probes for imaging-guided Fenton-enhanced radiotherapy of hepatocellular carcinoma. Journal of Nanobiotechnology, 2022, 20, 100.	9.1	7
52	Digital intelligent technology assisted three-dimensional laparoscopic extended left hepatectomy with resection of the middle hepatic vein(Video). Surgical Oncology, 2020, 35, 426-427.	1.6	6
53	Application of Real-Time Augmented Reality Laparoscopic Navigation in Splenectomy for Massive Splenomegaly. World Journal of Surgery, 2021, 45, 2108-2115.	1.6	6
54	Augmented reality navigation facilitates laparoscopic removal of foreign body in the pancreas that cause chronic complications. Surgical Endoscopy and Other Interventional Techniques, 2022, 36, 6326-6330.	2.4	5

#	Article	IF	Citations
55	A Comparison between Three-Dimensional Visualization Guided Hepatectomy and Ultrasonography Guided Radiofrequency Ablation in the Treatment of Small Hepatocellular Carcinoma within the Milan Criteria. BioMed Research International, 2016, 2016, 1-10.	1.9	4
56	Emerging Trends and New Developments in Transient Elastography: A Bibliometric and Cocitation Analysis from 1999 to 2017. Canadian Journal of Gastroenterology and Hepatology, 2019, 2019, 1-7.	1.9	4
57	Morphologic Change of In Vivo Porcine Liver Under 13â€‰mmâ€‰Hg Pneumoperitoneum Pressure. Surgical Laparoscopy, Endoscopy and Percutaneous Techniques, 2021, Publish Ahead of Print, 679-684.	0.8	4
58	Epithelial Cell Adhesion Molecule-Functionalized Fe_3O_4@Au Nanoparticles for Coregistered Optoacoustic and Magnetic Resonance Imaging and Photothermal Therapy of Hepatocellular Carcinoma. ACS Applied Nano Materials, 2022, 5, 10213-10224.	5.0	4
59	Three-dimensional visualization technique in endoscopic breast-conserving surgery and pedicled omentum for immediate breast reconstruction. Surgical Oncology, 2019, 28, 103-108.	1.6	3
60	Laparoscopic anatomic combined subsegmentectomy of segment 8 via the tailored strategy using digital intelligent technology. Surgical Oncology, 2021, 38, 101622.	1.6	3
61	The expression of c-kit and proliferating cell nuclear antigen in oval cells of rats with hepatocellular carcinoma. Hepatobiliary and Pancreatic Diseases International, 2003, 2, 537-44.	1.3	3
62	Digital medical technology based on 64-slice computed tomography in hepatic surgery. Chinese Medical Journal, 2010, 123, 1149-53.	2.3	3
63	Computer Supported Cooperative Work (CSCW) for Telemedicine. , 2007, , .		2
64	Boosting Postsurgical Outcomes of Orthotopic Hepatocellular Carcinoma via an EpCAMâ€Targeting Theranostic Nanoparticle. Particle and Particle Systems Characterization, 2019, 36, 1900085.	2.3	2
65	ASO Author Reflections: Laparoscopic in situ Anatomical Mesohepatectomy for Solitary Massive HCC Using Combined Intrafascial and Extrafascial Approaches with Indocyanine Green Navigation: A New Era of Digital Intelligent Liver Surgery. Annals of Surgical Oncology, 2021, , 1.	1.5	2
66	A novel method of fluorescent imaging can guide hepatectomy for intrahepatic cholangiocarcinoma with intrahepatic biliary obstruction. Journal of Surgical Oncology, 2020, 122, 1580-1586.	1.7	2
67	The Anatomy Features and Variations of the Point Where Right Gastroepiploic Vein Flows into Superior Mesenteric Vein/Portal Vein: Anatomical Study of Catheterization of Portal Vein Infusion Chemotherapy. Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A, 2018, 28, 794-798.	1.0	1
68	Accuracy of liver stiffness-based model by different imaging modalities in compensated advanced chronic liver disease. European Journal of Gastroenterology and Hepatology, 2020, 32, 386-388.	1.6	1
69	A study of generalization and compatibility performance of 3D U-Net segmentation on multiple heterogeneous liver CT datasets. BMC Medical Imaging, 2021, 21, 178.	2.7	1
70	ASO Visual Abstract: Laparoscopic in Situ Anatomical Mesohepatectomy for Solitary Massive HCC Using Combined Intrafascial and Extrafascial Approaches with Indocyanine Green Navigation (with) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		
71	Comment on: Right hepatic venous system variation in living donors: a three-dimensional CT analysis. British Journal of Surgery, 2020, 107, e651-e652.	0.3	0