JosÃ© Ignacio Bilbao

List of Publications by Year
in descending order

52 papers	1,765 citations	393982 19 h-index	276539 41 g-index
53 all docs	53 docs citations	53 times ranked	1726 citing authors

#	Article	IF	Citations
1	Computational Fluid Dynamics Modeling of Liver Radioembolization: A Review. CardioVascular and Interventional Radiology, 2022, 45, 12-20.	0.9	13
2	â€œComputational study of a novel catheter for liver radioembolizationâ€• International Journal for Numerical Methods in Biomedical Engineering, 2022, , e3577.	1.0	2
3	A new animal model of atrophyâ€“hypertrophy complex and liver damage following Yttrium-90 lobar selective internal radiation therapy in rabbits. Scientific Reports, 2022, 12, 1777.	1.6	3
4	Clinical Application of Trans-Arterial Radioembolization in Hepatic Malignancies in Europe: First Results from the Prospective Multicentre Observational Study CIRSE Registry for SIR-Spheres Therapy (CIRT). CardioVascular and Interventional Radiology, 2021, 44, 21-35.	0.9	49
5	Short-term Safety and Quality of Life Outcomes Following Radioembolization in Primary and Secondary Liver Tumours: a Multi-centre Analysis of 200 Patients in France. CardioVascular and Interventional Radiology, 2021, 44, 36-49.	0.9	15
6	A proof-of-concept study of the in-vivo validation of a computational fluid dynamics model of personalized radioembolization. Scientific Reports, 2021, 11, 3895.	1.6	12
7	The joint use of 99mTc-MAA-SPECT/CT and cone-beam CT optimizes radioembolization planning. EJNMMI Research, 2021, 11, 23.	1.1	5
8	3D voxel-based dosimetry to predict contralateral hypertrophy and an adequate future liver remnant after lobar radioembolization. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 3048-3057.	3.3	12
9	CFD Simulations of Radioembolization: A Proof-of-Concept Study on the Impact of the Hepatic Artery Tree Truncation. Mathematics, 2021, 9, 839.	1.1	5
10	â€œPrimum Non Nocereâ€•in Interventional Oncology for Liver Cancer: How to Reduce the Risk for Complications?. Life, 2020, 10, 180.	1.1	3
11	The Pattern of Progression Defines Post-progression Survival in Patients with Hepatocellular Carcinoma Treated with SIRT. CardioVascular and Interventional Radiology, 2020, 43, 1165-1172.	0.9	6
12	On the importance of spiralâ€flow inflow boundary conditions when using idealized artery geometries in the analysis of liver radioembolization: A parametric study. International Journal for Numerical Methods in Biomedical Engineering, 2020, 36, e3337.	1.0	3
13	Liver Radioembolization: An Analysis of Parameters that Influence the Catheter-Based Particle-Delivery via CFD. Current Medicinal Chemistry, 2020, 27, 1600-1615.	1.2	15
14	Clinical Application of Radioembolization in Hepatic Malignancies: Protocol for a Prospective Multicenter Observational Study. JMIR Research Protocols, 2020, 9, e16296.	0.5	8
15	Hepatocellular Carcinoma: Essentials Interventional Radiologists Need to Know. CardioVascular and Interventional Radiology, 2019, 42, 1262-1270.	0.9	2
16	Therapeutic Effect of Irreversible Electroporation in Combination with Poly-ICLC Adjuvant in Preclinical Models of Hepatocellular Carcinoma. Journal of Vascular and Interventional Radiology, 2019, 30, 1098-1105.	0.2	15
17	A methodology for numerically analysing the hepatic artery haemodynamics during B-TACE: a proof of concept. Computer Methods in Biomechanics and Biomedical Engineering, 2019, 22, 518-532.	0.9	4
18	Transarterial radioembolization in patients with hepatocellular carcinoma of intermediate B2 substage. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 661-668.	3.3	7

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19	Radioembolisation in patients with hepatocellular carcinoma that have previously received liver-directed therapies. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 1721-1730.	3.3	18
20	Numerical zeroâ€dimensional hepatic artery hemodynamics model for balloonâ€occluded transarterial chemoembolization. International Journal for Numerical Methods in Biomedical Engineering, 2018, 34, e2983.	1.0	11
21	Selective internal radiation therapy: an effective treatment for hormonal syndromes in pancreatic neuroendocrine tumors. Hepatic Oncology, 2018, 5, HEP09.	4.2	2
22	Phase 1â€“2 pilot clinical trial in patients with decompensated liver cirrhosis treated with bone marrowâ€derived endothelial progenitor cells. Translational Research, 2017, 188, 80-91.e2.	2.2	28
23	Computational particleâ€haemodynamics analysis of liver radioembolization pretreatment as an actual treatment surrogate. International Journal for Numerical Methods in Biomedical Engineering, 2017, 33, e02791.	1.0	19
24	Prevention and treatment of complications of selective internal radiation therapy: Expert guidance and systematic review. Hepatology, 2017, 66, 969-982.	3.6	99
25	The role of angledâ€tip microcatheter and microsphere injection velocity in liver radioembolization: A computational particleâ€hemodynamics study. International Journal for Numerical Methods in Biomedical Engineering, 2017, 33, e2895.	1.0	15
26	Improvement of Adeno-Associated Virus-Mediated Liver Transduction Efficacy by Regional Administration in Macaca fascicularis. Human Gene Therapy Clinical Development, 2017, 28, 68-73.	3.2	7
27	Is a Technetium-99m Macroaggregated Albumin Scan Essential in the Workup for Selective Internal Radiation Therapy with Yttrium-90? An Analysis of 532 Patients. Journal of Vascular and Interventional Radiology, 2017, 28, 1536-1542.	0.2	19
28	Recommendations for SIR-Spheres Y-90 resin microspheres in chemotherapy-refractory/intolerant colorectal liver metastases. Future Oncology, 2017, 13, 2065-2082.	1.1	10
29	Cytochrome P450/ABC transporter inhibition simultaneously enhances ivermectin pharmacokinetics in the mammal host and pharmacodynamics in Anopheles gambiae. Scientific Reports, 2017, 7, 8535.	1.6	28
30	The Post-SIR-Spheres Surgery Study (P4S): Retrospective Analysis of Safety Following Hepatic Resection or Transplantation in Patients Previously Treated with Selective Internal Radiation Therapy with Yttrium-90 Resin Microspheres. Annals of Surgical Oncology, 2017, 24, 2465-2473.	0.7	42
31	Computational assessment of the effects of the catheter type on particleâ€hemodynamics during liver radioembolization. Journal of Biomechanics, 2016, 49, 3705-3713.	0.9	17
32	Numerical investigation of liver radioembolization via computational particleâ€hemodynamics: The role of the microcatheter distal direction and microsphere injection point and velocity. Journal of Biomechanics, 2016, 49, 3714-3721.	0.9	12
33	Partial Splenic Embolization in a Child with Sickle Cell Disease and Hypersplenism. Journal of Vascular and Interventional Radiology, 2016, 27, 1738-1739.	0.2	1
34	Liver cancer arterial perfusion modelling and CFD boundary conditions methodology: a case study of the haemodynamics of a patientâ€specific hepatic artery in literatureâ€based healthy and tumourâ€bearing liver scenarios. International Journal for Numerical Methods in Biomedical Engineering, 2016, 32, e02764.	1.0	26
35	Physiological outflow boundary conditions methodology for small arteries with multiple outlets: A patient-specific hepatic artery haemodynamics case study. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2015, 229, 291-306.	1.0	11
36	Pilot randomized trial of selective internal radiation therapy vs. chemoembolization in unresectable hepatocellular carcinoma. Liver International, 2015, 35, 1715-1721.	1.9	132

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37	Selective internal radiation therapy (SIRT) using Y90 resin microspheres as consolidation treatment for liver metastases from colorectal cancer (LCRC).. Journal of Clinical Oncology, 2015, 33, e14662-e14662.	0.8	2
38	Radioembolization and the Cystic Artery. Journal of Vascular and Interventional Radiology, 2014, 25, 1724-1726.	0.2	1
39	Partial liver volume radioembolization induces hypertrophy in the spared hemiliver and no major signs of portal hypertension. Hpb, 2014, 16, 243-249.	0.1	69
40	Safety and Efficacy Assessment of Flow Redistribution by Occlusion of Intrahepatic Vessels Prior to Radioembolization in the Treatment of Liver Tumors. CardioVascular and Interventional Radiology, 2010, 33, 523-531.	0.9	56
41	Biocompatibility, Inflammatory Response, and Recannalization Characteristics of Nonradioactive Resin Microspheres: Histological Findings. CardioVascular and Interventional Radiology, 2009, 32, 727-736.	0.9	74
42	Liver disease induced by radioembolization of liver tumors. Cancer, 2008, 112, 1538-1546.	2.0	330
43	Comparative Study of Four Different Spherical Embolic Particles in an Animal Model: A Morphologic and Histologic Evaluation. Journal of Vascular and Interventional Radiology, 2008, 19, 1625-1638.	0.2	58
44	Radioembolization using 90Y-resin microspheres for patients with advanced hepatocellular carcinoma. International Journal of Radiation Oncology Biology Physics, 2006, 66, 792-800.	0.4	207
45	Transjugular Intrahepatic Portosystemic Shunt (TIPS) in the Treatment of Venous Symptomatic Chronic Portal Thrombosis in Non-cirrhotic Patients. CardioVascular and Interventional Radiology, 2004, 27, 474-80.	0.9	90
46	Transjugular Intrahepatic Portosystemic Shunt (TIPS): Current Status and Future Possibilities. CardioVascular and Interventional Radiology, 2002, 25, 251-269.	0.9	56
47	Ascites due to anastomotic stenosis after liver transplantation using the piggyback technique: Treatment with endovascular prosthesis. CardioVascular and Interventional Radiology, 2000, 23, 149-151.	0.9	17
48	Limitations of percutaneous techniques in the treatment of portal vein thrombosis. CardioVascular and Interventional Radiology, 1999, 22, 417-422.	0.9	25
49	Interventional therapeutic techniques in Budd-Chiari syndrome. CardioVascular and Interventional Radiology, 1997, 20, 112-119.	0.9	49
50	Embolization of nonvariceal portosystemic collaterals in transjugular intrahepatic portosystemic shunts. CardioVascular and Interventional Radiology, 1997, 20, 149-153.	0.9	11
51	Percutaneous transhepatic treatment of a posttransplant portal vein thrombosis and a preexisting spontaneous splenorenal shunt. CardioVascular and Interventional Radiology, 1995, 18, 323-6.	0.9	19
52	Arteriodigestive fistula: A complication associated with intraoperative and external beam radiotherapy following surgery for gastric cancer. Journal of Surgical Oncology, 1992, 49, 52-57.	0.8	25