Laure S Fournier

List of Publications by Year
in descending order

94 papers	3,323 citations	172457 29 h-index	161849 54 g-index
103 all docs	103 docs citations	103 times ranked	5244 citing authors

#	Article	IF	Citations
1	Application of Artificial Intelligence to Gastroenterology and Hepatology. Gastroenterology, 2020, 158, 76-94.e2.	1.3	335
2	Pulmonary embolism in patients with COVID-19 pneumonia. European Respiratory Journal, 2020, 56, 2001365.	6.7	298
3	Contribution of diffusion-weighted MR imaging for predicting benignity of complex adnexal masses. European Radiology, 2009, 19, 1544-1552.	4.5	163
4	Prospective Multicenter Phase II Study of Gemcitabine Plus Platinum Salt for Metastatic Collecting Duct Carcinoma: Results of a GETUG (Groupe d'Etudes des Tumeurs Uro-Génitales) Study. Journal of Urology, 2007, 177, 1698-1702.	0.4	160
5	Ovarian-Adnexal Reporting Data System Magnetic Resonance Imaging (O-RADS MRI) Score for Risk Stratification of Sonographically Indeterminate Adnexal Masses. JAMA Network Open, 2020, 3, e1919896.	5.9	144
6	Can CT Replace Bronchoscopy in the Detection of the Site and Cause of Bleeding in Patients with Large or Massive Hemoptysis?. American Journal of Roentgenology, 2002, 179, 1217-1224.	2.2	142
7	Gray-level discretization impacts reproducible MRI radiomics texture features. PLoS ONE, 2019, 14, e0213459.	2.5	129
8	Metastatic Renal Carcinoma: Evaluation of Antiangiogenic Therapy with Dynamic Contrast-enhanced CT. Radiology, 2010, 256, 511-518.	7.3	124
9	AI-driven quantification, staging and outcome prediction of COVID-19 pneumonia. Medical Image Analysis, 2021, 67, 101860.	11.6	111
10	Metastatic Renal Cell Carcinoma: Relationship Between Initial Metastasis Hypoxia, Change After 1 Month's Sunitinib, and Therapeutic Response: An ^{18}F-Fluoromisonidazole PET/CT Study. Journal of Nuclear Medicine, 2011, 52, 1048-1055.	5.0	82
11	Early modifications of hepatic perfusion measured by functional CT in a rat model of hepatocellular carcinoma using a blood pool contrast agent. European Radiology, 2004, 14, 2125-2133.	4.5	79
12	Shear wave elastography of tumour growth in a human breast cancer model with pathological correlation. European Radiology, 2013, 23, 2079-2086.	4.5	73
13	Nivolumab, nivolumab–ipilimumab, and VEGFR-tyrosine kinase inhibitors as first-line treatment for metastatic clear-cell renal cell carcinoma (BIONIKK): a biomarker-driven, open-label, non-comparative, randomised, phase 2 trial. Lancet Oncology, The, 2022, 23, 612-624.	10.7	66
14	Validated imaging biomarkers as decision-making tools in clinical trials and routine practice: current status and recommendations from the EIBALL* subcommittee of the European Society of Radiology (ESR). Insights Into Imaging, 2019, 10, 87.	3.4	61
15	Diagnostic Algorithm to Differentiate Benign Atypical Leiomyomas from Malignant Uterine Sarcomas with Diffusion-weighted MRI. Radiology, 2020, 297, 361-371.	7.3	56
16	*In Vivo* Detection of Succinate by Magnetic Resonance Spectroscopy as a Hallmark of *SDH*x Mutations in Paraganglioma. Clinical Cancer Research, 2016, 22, 1120-1129.	7.0	54
17	Incorporating radiomics into clinical trials: expert consensus endorsed by the European Society of Radiology on considerations for data-driven compared to biologically driven quantitative biomarkers. European Radiology, 2021, 31, 6001-6012.	4.5	53
18	Imaging criteria for assessing tumour response: RECIST, mRECIST, Cheson. Diagnostic and Interventional Imaging, 2014, 95, 689-703.	3.2	52

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19	Prevalence and characteristics of pulmonary embolism in 1042 COVID-19 patients with respiratory symptoms: A nested case-control study. Thrombosis Research, 2021, 197, 94-99.	1.7	47
20	Comprehensive model for simultaneous MRI determination of perfusion and permeability using a blood-pool agent in rats rhabdomyosarcoma. European Radiology, 2005, 15, 2497-2505.	4.5	44
21	Prevalence of pulmonary embolism in patients with COVID-19 at the time of hospital admission. European Respiratory Journal, 2021, 58, 2100116.	6.7	41
22	Tumour burden is an independent prognostic factor in metastatic renal cell carcinoma. BJU International, 2012, 110, 1753-1754.	2.5	39
23	Cascade Polymeric MRI Contrast Media Derived from Poly(ethylene glycol) Cores:Â Initial Syntheses and Characterizations. Biomacromolecules, 2007, 8, 1519-1529.	5.4	38
24	Accuracy of perfusion MRI with high spatial but low temporal resolution to assess invasive breast cancer response to neoadjuvant chemotherapy: a retrospective study. BMC Cancer, 2011, 11, 361.	2.6	35
25	Magnetic Targeting of Rhodamine-Labeled Superparamagnetic Liposomes to Solid Tumors: In Vivo Tracking by Fibered Confocal Fluorescence Microscopy. Molecular Imaging, 2007, 6, 7290.2007.00004.	1.4	33
26	Assessing the Response to Targeted Therapies in Renal Cell Carcinoma: Technical Insights and Practical Considerations. European Urology, 2014, 65, 766-777.	1.9	32
27	MR Monitoring of Cyclooxygenase-2 Inhibition of Angiogenesis in a Human Breast Cancer Model in Rats. Radiology, 2007, 243, 105-111.	7.3	31
28	Dynamic optical breast imaging: A novel technique to detect and characterize tumor vessels. European Journal of Radiology, 2009, 69, 43-49.	2.6	31
29	Optimisation of the tumour response threshold in patients treated with everolimus for metastatic renal cell carcinoma: Analysis of response and progression-free survival in the RECORD-1 study. European Journal of Cancer, 2012, 48, 1512-1518.	2.8	31
30	Sunitinib in kidney cancer: 10 years of experience and development. Expert Review of Anticancer Therapy, 2017, 17, 129-142.	2.4	30
31	Repeatability of apparent diffusion coefficient and intravoxel incoherent motion parameters at 3.0 Tesla in orbital lesions. European Radiology, 2017, 27, 5094-5103.	4.5	29
32	Response of Renal Cell Carcinoma Pancreatic Metastasis to Sunitinib Treatment: A Retrospective Analysis. Journal of Urology, 2009, 181, 2470-2475.	0.4	26
33	Radiological evaluation of response to treatment: Application to metastatic renal cancers receiving anti-angiogenic treatment. Diagnostic and Interventional Imaging, 2014, 95, 527-539.	3.2	26
34	Prediction of Everolimus Toxicity and Prognostic Value of Skeletal Muscle Index in Patients With Metastatic Renal Cell Carcinoma. Clinical Genitourinary Cancer, 2017, 15, 350-355.	1.9	26
35	Study of Thoracic CT in COVID-19: The STOIC Project. Radiology, 2021, 301, E361-E370.	7.3	26
36	Initial Computed Tomography Imaging Experience Using a New Macromolecular Iodinated Contrast Medium in Experimental Breast Cancer. Investigative Radiology, 2005, 40, 614-620.	6.2	23

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37	Socio-economic and psychological impact of the COVID-19 outbreak on private practice and public hospital radiologists. European Journal of Radiology, 2020, 132, 109285.	2.6	23
38	A Magnetic Resonance Imaging Radiomics Signature to Distinguish Benign From Malignant Orbital Lesions. Investigative Radiology, 2021, 56, 173-180.	6.2	22
39	Dynamic optical breast imaging: A new technique to visualise breast vessels: Comparison with breast MRI and preliminary results. European Journal of Radiology, 2005, 54, 72-79.	2.6	21
40	Salvage Therapy with Bevacizumabâ€"Sunitinib Combination after Failure of Sunitinib Alone for Metastatic Renal Cell Carcinoma: A Case Series. European Urology, 2009, 56, 207-211.	1.9	20
41	Signal-to-Noise Ratio Improvement in Dynamic Contrast-enhanced CT and MR Imaging with Automated Principal Component Analysis Filtering. Radiology, 2011, 258, 435-445.	7.3	20
42	Optical mammography: a new technique for visualizing breast lesions in women presenting non palpable BIRADS 4-5 imaging findings: preliminary results with radiologic-pathologic correlation. Cancer Imaging, 2007, 7, 34-40.	2.8	19
43	Macromolecular Capillary Leakage Is Involved in the Onset of Anaphylactic Hypotension. Anesthesiology, 2012, 117, 1072-1079.	2.5	18
44	Supersonic Shear Wave Elastography of Response to Anti-cancer Therapy in a Xenograft Tumor Model. Ultrasound in Medicine and Biology, 2016, 42, 924-930.	1.5	18
45	Involvement of radiologists in oncologic multidisciplinary team meetings: an international survey by the European Society of Oncologic Imaging. European Radiology, 2021, 31, 983-991.	4.5	17
46	New Insights into the Management of Renal Cell Cancer. Oncology, 2013, 84, 22-31.	1.9	16
47	Can we use radiomics in ultrasound imaging? Impact of preprocessing on feature repeatability. Diagnostic and Interventional Imaging, 2021, 102, 659-667.	3.2	16
48	Sunitinib Prior to Planned Nephrectomy in Metastatic Renal Cell Carcinoma: Angiogenesis Biomarkers Predict Clinical Outcome in the Prospective Phase II PREINSUT Trial. Clinical Cancer Research, 2018, 24, 5534-5542.	7.0	15
49	Radiomic analysis of HTR-DCE MR sequences improves diagnostic performance compared to BI-RADS analysis of breast MR lesions. European Radiology, 2021, 31, 4848-4859.	4.5	15
50	Qualityâ€based pharmacokinetic model selection on DCEâ€MRI for characterizing orbital lesions. Journal of Magnetic Resonance Imaging, 2019, 50, 1514-1525.	3.4	14
51	Intravoxel incoherent motion (IVIM) 3ÂT MRI for orbital lesion characterization. European Radiology, 2021, 31, 14-23.	4.5	14
52	Bone Metastases Are Measurable: The Role of Whole-Body MRI and Positron Emission Tomography. Frontiers in Oncology, 2021, 11, 772530.	2.8	14
53	Diagnostic Accuracy of Four Levels of Manual Compression Applied in Supersonic Shear Wave Elastography of the Breast. Academic Radiology, 2021, 28, 481-486.	2.5	13
54	Pyothorax-Associated Lymphoma:Diagnosis at Percutaneous Core Biopsy with CT Guidance. American Journal of Roentgenology, 2003, 180, 969-971.	2.2	12

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55	Proposals for the use of artificial intelligence in emergency radiology. Diagnostic and Interventional Imaging, 2021, 102, 63-68.	3.2	12
56	Postpartum Hemorrhage Treated with Gelfoam Slurry Embolization Using the Superselective Technique: Immediate Results and 1-Month MRI Follow-up. CardioVascular and Interventional Radiology, 2013, 36, 98-104.	2.0	11
57	Diffusionâ€weighted imaging for evaluation of uterine arterial embolization of fibroids. Magnetic Resonance in Medicine, 2013, 70, 1739-1747.	3.0	11
58	Prognostic factors in patients with advanced renal cell carcinoma treated with VEGF-targeted agents. Expert Review of Anticancer Therapy, 2014, 14, 523-542.	2.4	11
59	Impact of the COVID-19 crisis on imaging in oncological trials. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 2054-2058.	6.4	11
60	Validation of a deep learning segmentation algorithm to quantify the skeletal muscle index and sarcopenia in metastatic renal carcinoma. European Radiology, 2022, 32, 4728-4737.	4.5	11
61	Magnetic Resonance Imaging Detects Early Changes in Microvascular Permeability in Xenograft Tumors after Treatment with the Matrix Metalloprotease Inhibitor Prinomastat. Technology in Cancer Research and Treatment, 2004, 3, 377-382.	1.9	10
62	In-vivo NIR autofluorescence imaging of rat mammary tumors. Optics Express, 2006, 14, 6713.	3.4	10
63	Determining extent of COVID-19 pneumonia on CT based on biological variables. Respiratory Medicine, 2020, 175, 106206.	2.9	9
64	Imaging Response of Antiangiogenic and Immune-Oncology Drugs in Metastatic Renal Cell Carcinoma (mRCC): Current Status and Future Challenges. Kidney Cancer, 2017, 1, 107-114.	0.4	8
65	Renal malacoplakia: Case report of a differential diagnosis for renal cell carcinoma. American Journal of Case Reports, 2012, 13, 38-40.	0.8	8
66	â€œBig dataâ€and â€œopen dataâ€What kind of access should researchers enjoy?. Therapie, 2016, 71, 107-114	1.0	7
67	Assessment of different pre and intra-operative strategies to predict the actual ESMO risk group and to establish the appropriate indication of lymphadenectomy in endometrial cancer. Journal of Gynecology Obstetrics and Human Reproduction, 2018, 47, 517-523.	1.3	7
68	In vivo Imaging of Tumor Angiogenesis using Fluorescence Confocal Videomicroscopy. Journal of Visualized Experiments, 2013, , .	0.3	5
69	Clinical Impact of Lymphadenectomy after Neoadjuvant Chemotherapy in Advanced Epithelial Ovarian Cancer: A Review of Available Data. Journal of Clinical Medicine, 2021, 10, 334.	2.4	5
70	Risks and benefits of systematic lymphadenectomy during interval debulking surgery for advanced high grade serous ovarian cancer. European Journal of Surgical Oncology, 2022, 48, 275-282.	1.0	5
71	Adjusting D-dimer to Lung Disease Extent to Exclude Pulmonary Embolism in COVID-19 Patients (Co-LEAD). Thrombosis and Haemostasis, 2022, 122, 1888-1898.	3.4	5
72	Blood-Brain Barrier Leakage in Early Alzheimer Disease. Radiology, 2017, 282, 923-925.	7.3	4

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73	What can we learn from the 10 mm lymph node size cut-off on the CT in advanced ovarian cancer at the time of interval debulking surgery?. Gynecologic Oncology, 2021, 162, 667-673.	1.4	4
74	Pitfalls in Imaging For Advanced Ovarian Cancer. Seminars in Roentgenology, 2015, 50, 284-293.	0.6	3
75	RadiomiqueÂ: mode dâ€™emploi. MÃ©thodologie et exemples dâ€™application en imagerie de la femme. Imagerie De La Femme, 2019, 29, 25-33.	0.0	3
76	Antitumoral Effect of Mural Cells Assessed With High-Resolution MRI and Fluorescence Microscopy. American Journal of Roentgenology, 2015, 205, W11-W18.	2.2	2
77	Technical note: Design and initial evaluation of a novel physical breast phantom to monitor image quality in digital breast tomosynthesis. Medical Physics, 2022, , .	3.0	2
78	Multiparametric optical and MR imaging demonstrate inhibition of tumor angiogenesis natural history by mural cell therapy. Magnetic Resonance in Medicine, 2014, 72, 841-849.	3.0	1
79	Carcinose pÃ©ritonÃ©ale secondaire dâ€™origine ovarienne. Imagerie De La Femme, 2015, 25, 197-203.	0.0	1
80	Ruptured benign serous ovarian cystadenoma mimicking ovarian malignancy with peritoneal carcinomatosis. Diagnostic and Interventional Imaging, 2016, 97, 1187-1188.	3.2	1
81	Socio-Economic and Psychological Impact of the COVID-19 Outbreak on Private Practice and Public Hospital Radiologists. SSRN Electronic Journal, 0, , .	0.4	1
82	The Role of Blood Pool Contrast Media in the Study of Tumor Pathophysiology. , 2005, , 39-52.		1
83	Artificial Intelligence and Machine Learning. , 2021, , 213-225.		1
84	In-vivo NIR autofluorescence of rat mammary tumors discriminates pathological malignancy. , 2003, , .		0
85	Challenges for the development of clinically useful fluorescing diagnostic contrast agents for optical imaging: a radiologist's perspective. , 2004, , .		0
86	Tumor Imaging. , 0, , 277-309.		0
87	Necrotizing pancreatitis complicated by oesophageal haemorrhage. Pancreatology, 2014, 14, 146-147.	1.1	0
88	Response to characterization of orbital masses by multiparametric MRI. European Journal of Radiology, 2016, 85, 1686-1687.	2.6	0
89	Feasibility of an adapted schedule of carboplatin plus paclitaxel in elderly women with advanced ovarian cancer: A retrospective cohort.. Journal of Clinical Oncology, 2021, 39, 5546-5546.	1.6	0
90	RECISTÂ1.1Â: mode dâ€™emploi. CancÃ©ro Digest, 2011, , .	0.0	0

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91	La loi JardÃ©Â: une nouvelle loi rÃ©gissant la recherche mÃ©dicale. HEGEL - HEpato-GastroEntÃ©rologie LibÃ©rale, 2012, NÂ° 3, 47-50.	0.0	0
92	La loi JardÃ© : une nouvelle loi rÃ©gissant la recherche mÃ©dicale. CancÃ©ro Digest, 2012, , .	0.0	0
93	Debulking Surgery: Interval Debulking Surgery Versus Primary: Pros and Cons on How to Evaluate Quality. , 2017, , 33-42.		0
94	Editorial: Quantitative Imaging for Clinical Decisions. Frontiers in Oncology, 2022, 12, 858372.	2.8	0