Ferdinand Knieling

List of Publications by Year
in descending order

34	1,090	687220	501076
papers	citations	13 h-index	28 g-index

42	42	42	1533
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multispectral Optoacoustic Tomography for Assessment of Crohnâ€™s Disease Activity. New England Journal of Medicine, 2017, 376, 1292-1294.	13.9	233
2	STAT3 activation through IL-6/IL-11 in cancer-associated fibroblasts promotes colorectal tumour development and correlates with poor prognosis. Gut, 2020, 69, 1269-1282.	6.1	181
3	Inhibiting Interleukin 36 Receptor Signaling Reduces Fibrosis in Mice With Chronic Intestinal Inflammation. Gastroenterology, 2019, 156, 1082-1097.e11.	0.6	148
4	Detection of collagens by multispectral optoacoustic tomography as an imaging biomarker for Duchenne muscular dystrophy. Nature Medicine, 2019, 25, 1905-1915.	15.2	129
5	Multispectral Optoacoustic Tomography in Crohnâ€™s Disease: Noninvasive Imaging of Disease Activity. Gastroenterology, 2016, 151, 238-240.	0.6	61
6	Labelâ€Free Multiphoton Endomicroscopy for Minimally Invasive In Vivo Imaging. Advanced Science, 2019, 6, 1801735.	5.6	53
7	Assessment of Inflammation in an Acute on Chronic Model of Inflammatory Bowel Disease with Ultrasound Molecular Imaging. Theranostics, 2015, 5, 1175-1186.	4.6	36
8	Early Response to Anti-Tumoral Treatment in Hepatocellular Carcinoma - Can Quantitative Contrast-Enhanced Ultrasound Predict Outcome?. Ultraschall in Der Medizin, 2013, 34, 38-46.	0.8	30
9	Optoacoustic Imaging in Inflammation. Biomedicines, 2021, 9, 483.	1.4	26
10	Spectrum, Applicability and Diagnostic Capacity of Contrast-Enhanced Ultrasound in Pediatric Patients and Young Adults afterÂIntravenous Application â€“ A Retrospective Trial. Ultraschall in Der Medizin, 2016, 37, 619-626.	0.8	25
11	Precision of handheld multispectral optoacoustic tomography for muscle imaging. Photoacoustics, 2021, 21, 100220.	4.4	25
12	Raster-Scanning Optoacoustic Mesoscopy for Gastrointestinal Imaging at High Resolution. Gastroenterology, 2018, 154, 807-809.e3.	0.6	20
13	Multispectral optoacoustic tomography for non-invasive disease phenotyping in pediatric spinal muscular atrophy patients. Photoacoustics, 2022, 25, 100315.	4.4	16
14	Shedding light on pediatric diseases: multispectral optoacoustic tomography at the doorway to clinical applications. Molecular and Cellular Pediatrics, 2020, 7, 3.	1.0	15
15	Dynamic Contrast-Enhanced Ultrasound (DCE-US) for Easy and Rapid Evaluation of Hepatocellular Carcinoma Compared to Dynamic Contrast-Enhanced Computed Tomography (DCE-CT) â€“ A Pilot Study. Ultraschall in Der Medizin, 2012, 33, 587-592.	0.8	14
16	Transfontanellar Contrastâ€“Enhanced Ultrasound for Monitoring Brain Perfusion During Neonatal Heart Surgery. Circulation: Cardiovascular Imaging, 2020, 13, e010073.	1.3	14
17	Quantification of dynamic contrast-enhanced ultrasound in HCC: prediction of response to a new combination therapy of sorafenib and panobinostat in advanced hepatocellular carcinoma. BMJ Case Reports, 2012, 2012, bcr2012007576-bcr2012007576.	0.2	11
18	Pig models for Duchenne muscular dystrophy â€“ from disease mechanisms to validation of new diagnostic and therapeutic concepts. Neuromuscular Disorders, 2022, 32, 543-556.	0.3	10

#	Article	IF	Citations
19	Ultraâ€“highâ€frequency ultrasound in patients with spinal muscular atrophy: A retrospective feasibility study. Muscle and Nerve, 2020, 61, E18-E21.	1.0	8
20	Light and sound - emerging imaging techniques for inflammatory bowel disease. World Journal of Gastroenterology, 2016, 22, 5642.	1.4	8
21	Non-invasive metabolic profiling of inflammation in joints and entheses by multispectral optoacoustic tomography. Rheumatology, 2023, 62, 841-849.	0.9	6
22	Contrast-Enhanced ÂµCT for Visualizing and Evaluating Murine Intestinal Inflammation. Theranostics, 2018, 8, 6357-6366.	4.6	5
23	Transfontanellar Contrast-enhanced US for Intraoperative Imaging of Cerebral Perfusion during Neonatal Arterial Switch Operation. Radiology, 2022, 304, 164-173.	3.6	4
24	Time Tracking of Standard Ultrasound Examinations in Pediatric Hospitals and Pediatric Medical Practices â€“ A Multicenter Study by the Pediatric Section of the German Society of Ultrasound in Medicine (DEGUM). Ultraschall in Der Medizin, 2019, 42, 379-387.	0.8	3
25	Equal cerebral perfusion during extended aortic coarctation repair. European Journal of Cardio-thoracic Surgery, 2022, 61, 299-306.	0.6	3
26	Assessment of sorafenib induced changes in tumor perfusion of uveal melanoma metastases with dynamic contrast-enhanced ultrasound (DCE-US). Journal of Cancer Research and Clinical Oncology, 2022, 148, 955-965.	1.2	2
27	High-resolution label-free mapping of murine kidney vasculature by raster-scanning optoacoustic mesoscopy: an ex vivo study. Molecular and Cellular Pediatrics, 2022, 9, .	1.0	2
28	Pediatric Buried Bumper Syndrome: Diagnostic Validity of Transabdominal Ultrasound and Artificial Intelligence. Ultraschall in Der Medizin, 2021, , .	0.8	1
29	Antiâ€Angiogenetic Therapy in Liver Tumors: Contrast-Enhanced Ultrasound in Detection of Early Response to Therapy. Ultrasound in Medicine and Biology, 2011, 37, S20.	0.7	0
30	Noninvasive Diagnosis of HCC: CEUS Versus Dynamic CT. Ultrasound in Medicine and Biology, 2011, 37, S91.	0.7	0
31	Assessing Disease Activity in Crohn's Disease Using Multispectral Optoacoustic Tomography. Gastroenterology, 2017, 152, S80-S81.	0.6	0
32	Sa1985 - Non-Invasive Evaluation of Disease Activity in Ulcerative Colitis using Multispectral Optoacoustic Tomography â€” a First-In-Human Diagnostic Clinical Trial. Gastroenterology, 2018, 154, S-437.	0.6	0
33	P 1014. Neurodevelopmental Outcome in VLWB Preterm Infants with Neonatal Seizures Born between 2008 and 2011 at the Age of 2 Years. Neuropediatrics, 2018, 49, .	0.3	0
34	New Non-invasive Biomarkers in Duchenne Muscular Dystrophy: Translational Molecular Imaging with Multispectral Optoacoustic Tomography. , 2019, 50, .		0