

# Ferdinand Knieling

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

1,090  
citations

687363

13  
h-index

501196

28  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1533  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-invasive metabolic profiling of inflammation in joints and entheses by multispectral optoacoustic tomography. <i>Rheumatology</i> , 2023, 62, 841-849.	1.9	6
2	Assessment of sorafenib induced changes in tumor perfusion of uveal melanoma metastases with dynamic contrast-enhanced ultrasound (DCE-US). <i>Journal of Cancer Research and Clinical Oncology</i> , 2022, 148, 955-965.	2.5	2
3	Equal cerebral perfusion during extended aortic coarctation repair. <i>European Journal of Cardio-thoracic Surgery</i> , 2022, 61, 299-306.	1.4	3
4	Multispectral optoacoustic tomography for non-invasive disease phenotyping in pediatric spinal muscular atrophy patients. <i>Photoacoustics</i> , 2022, 25, 100315.	7.8	16
5	Transfontanellar Contrast-enhanced US for Intraoperative Imaging of Cerebral Perfusion during Neonatal Arterial Switch Operation. <i>Radiology</i> , 2022, 304, 164-173.	7.3	4
6	Pig models for Duchenne muscular dystrophy – from disease mechanisms to validation of new diagnostic and therapeutic concepts. <i>Neuromuscular Disorders</i> , 2022, 32, 543-556.	0.6	10
7	High-resolution label-free mapping of murine kidney vasculature by raster-scanning optoacoustic mesoscopy: an ex vivo study. <i>Molecular and Cellular Pediatrics</i> , 2022, 9, .	1.8	2
8	Precision of handheld multispectral optoacoustic tomography for muscle imaging. <i>Photoacoustics</i> , 2021, 21, 100220.	7.8	25
9	Optoacoustic Imaging in Inflammation. <i>Biomedicines</i> , 2021, 9, 483.	3.2	26
10	Pediatric Buried Bumper Syndrome: Diagnostic Validity of Transabdominal Ultrasound and Artificial Intelligence. <i>Ultraschall in Der Medizin</i> , 2021, , .	1.5	1
11	Ultra-high-frequency ultrasound in patients with spinal muscular atrophy: A retrospective feasibility study. <i>Muscle and Nerve</i> , 2020, 61, E18-E21.	2.2	8
12	STAT3 activation through IL-6/IL-11 in cancer-associated fibroblasts promotes colorectal tumour development and correlates with poor prognosis. <i>Gut</i> , 2020, 69, 1269-1282.	12.1	181
13	Transfontanellar Contrast-Enhanced Ultrasound for Monitoring Brain Perfusion During Neonatal Heart Surgery. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e010073.	2.6	14
14	Shedding light on pediatric diseases: multispectral optoacoustic tomography at the doorway to clinical applications. <i>Molecular and Cellular Pediatrics</i> , 2020, 7, 3.	1.8	15
15	Label-Free Multiphoton Endomicroscopy for Minimally Invasive In Vivo Imaging. <i>Advanced Science</i> , 2019, 6, 1801735.	11.2	53
16	Inhibiting Interleukin 36 Receptor Signaling Reduces Fibrosis in Mice With Chronic Intestinal Inflammation. <i>Gastroenterology</i> , 2019, 156, 1082-1097.e11.	1.3	148
17	Time Tracking of Standard Ultrasound Examinations in Pediatric Hospitals and Pediatric Medical Practices – A Multicenter Study by the Pediatric Section of the German Society of Ultrasound in Medicine (DEGUM). <i>Ultraschall in Der Medizin</i> , 2019, 42, 379-387.	1.5	3
18	Detection of collagens by multispectral optoacoustic tomography as an imaging biomarker for Duchenne muscular dystrophy. <i>Nature Medicine</i> , 2019, 25, 1905-1915.	30.7	129

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19	New Non-invasive Biomarkers in Duchenne Muscular Dystrophy: Translational Molecular Imaging with Multispectral Optoacoustic Tomography. , 2019, 50, .		0
20	Raster-Scanning Optoacoustic Mesoscopy for Gastrointestinal Imaging at High Resolution. Gastroenterology, 2018, 154, 807-809.e3.	1.3	20
21	Contrast-Enhanced ÅµCT for Visualizing and Evaluating Murine Intestinal Inflammation. Theranostics, 2018, 8, 6357-6366.	10.0	5
22	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.	1.3	0
23	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, .	0.6	0
24	Multispectral Optoacoustic Tomography for Assessment of Crohnâ€™s Disease Activity. New England Journal of Medicine, 2017, 376, 1292-1294.	27.0	233
25	Assessing Disease Activity in Crohn's Disease Using Multispectral Optoacoustic Tomography. Gastroenterology, 2017, 152, S80-S81.	1.3	0
26	Spectrum, Applicability and Diagnostic Capacity of Contrast-Enhanced Ultrasound in Pediatric Patients and Young Adults afterÅIntravenous Application â€” A Retrospective Trial. Ultraschall in Der Medizin, 2016, 37, 619-626.	1.5	25
27	Multispectral Optoacoustic Tomography in Crohnâ€™s Disease: Noninvasive Imaging of Disease Activity. Gastroenterology, 2016, 151, 238-240.	1.3	61
28	Light and sound - emerging imaging techniques for inflammatory bowel disease. World Journal of Gastroenterology, 2016, 22, 5642.	3.3	8
29	Assessment of Inflammation in an Acute on Chronic Model of Inflammatory Bowel Disease with Ultrasound Molecular Imaging. Theranostics, 2015, 5, 1175-1186.	10.0	36
30	Early Response to Anti-Tumoral Treatment in Hepatocellular Carcinoma - Can Quantitative Contrast-Enhanced Ultrasound Predict Outcome?. Ultraschall in Der Medizin, 2013, 34, 38-46.	1.5	30
31	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.	1.5	14
32	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.	0.5	11
33	Anti-Ångiogenetic Therapy in Liver Tumors: Contrast-Enhanced Ultrasound in Detection of Early Response to Therapy. Ultrasound in Medicine and Biology, 2011, 37, S20.	1.5	0
34	Noninvasive Diagnosis of HCC: CEUS Versus Dynamic CT. Ultrasound in Medicine and Biology, 2011, 37, S91.	1.5	0