Soenke Langner

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Inhibition of Restenosis in Femoropopliteal Arteries. Circulation, 2008, 118, 1358-1365.	1.6	476
2	Structural brain abnormalities in the common epilepsies assessed in a worldwide ENIGMA study. Brain, 2018, 141, 391-408.	7.6	352
3	Analysis of Lymphocyte Subsets in Patients With Stroke and Their Influence on Infection After Stroke. Stroke, 2008, 39, 237-241.	2.0	209
4	White matter abnormalities across different epilepsy syndromes in adults: an ENIGMA-Epilepsy study. Brain, 2020, 143, 2454-2473.	7.6	123
5	Chronic Back Pain Is Associated With Decreased Prefrontal and Anterior Insular Gray Matter: Results From a Population-Based Cohort Study. Journal of Pain, 2016, 17, 111-118.	1.4	109
6	Network-based atrophy modeling in the common epilepsies: A worldwide ENIGMA study. Science Advances, 2020, 6, .	10.3	97
7	Computed tomography–based quantification of lesion water uptake identifies patients within 4.5 hours of stroke onset: A multicenter observational study. Annals of Neurology, 2016, 80, 924-934.	5.3	88
8	Microglia ablation alleviates myelin-associated catatonic signs in mice. Journal of Clinical Investigation, 2017, 128, 734-745.	8.2	88
9	Functional Status of Peripheral Blood T-Cells in Ischemic Stroke Patients. PLoS ONE, 2010, 5, e8718.	2.5	84
10	Thrombectomy for Primary Distal Posterior Cerebral Artery Occlusion Stroke. JAMA Neurology, 2021, 78, 434.	9.0	79
11	Multivariate Dynamic Prediction of Ischemic Infarction and Tissue Salvage as a Function of Time and Degree of Recanalization. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1397-1405.	4.3	69
12	CT-Angiographic Collateralization Predicts Final Infarct Volume after Intra-Arterial Thrombolysis for Acute Anterior Circulation Ischemic Stroke. Cerebrovascular Diseases, 2011, 31, 177-184.	1.7	64
13	No Increased Risk for Contrast-Induced Nephropathy after Multiple CT Perfusion Studies of the Brain with a Nonionic, Dimeric, Iso-Osmolal Contrast Medium. American Journal of Neuroradiology, 2008, 29, 1525-1529.	2.4	63
14	Comparison between cold plasma, electrochemotherapy and combined therapy in a melanoma mouse model. Experimental Dermatology, 2013, 22, 582-586.	2.9	60
15	Laser Ablation of Liver Metastases from Colorectal Cancer with MR Thermometry: 5-Year Survival. Journal of Vascular and Interventional Radiology, 2009, 20, 225-234.	0.5	55
16	Whole-Body CT Trauma Imaging with Adapted and Optimized CT Angiography of the Craniocervical Vessels: Do We Need an Extra Screening Examination?. American Journal of Neuroradiology, 2008, 29, 1902-1907.	2.4	51
17	Evidence for Stress-like Alterations in the HPA-Axis in Women Taking Oral Contraceptives. Scientific Reports, 2017, 7, 14111.	3.3	51
18	Stroke Alters Respiratory Burst in Neutrophils and Monocytes. Stroke, 2014, 45, 794-800.	2.0	49

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19	Neural correlates of impaired emotional face recognition in cerebellar lesions. Brain Research, 2015, 1613, 1-12.	2.2	49
20	The <scp>ENIGMAâ€Epilepsy</scp> working group: Mapping disease from large data sets. Human Brain Mapping, 2022, 43, 113-128.	3.6	47
21	Characterization of factor VIII/von Willebrand factor concentrates using a modified method of von Willebrand factor multimer analysis. Haemophilia, 1998, 4, 25-32.	2.1	42
22	Value of 3-Dimensional High-Resolution Magnetic Resonance Imaging in Detecting the Offending Vessel in Hemifacial Spasm. Neurosurgery, 2013, 73, 58-67.	1.1	42
23	Incidence of Blunt Craniocervical Artery Injuries: Use of Whole-Body Computed Tomography Trauma Imaging With Adapted Computed Tomography Angiography. Neurosurgery, 2011, 69, 615-624.	1.1	41
24	Acute inversion injury of the ankle without radiological abnormalities: assessment with high-field MR imaging and correlation of findings with clinical outcome. Skeletal Radiology, 2011, 40, 423-430.	2.0	39
25	Perfusion CT scanning and CT angiography in the evaluation of extracranial-intracranial bypass grafts. Journal of Neurosurgery, 2011, 114, 978-983.	1.6	38
26	Reduced Numbers and Impaired Function of Regulatory T Cells in Peripheral Blood of Ischemic Stroke Patients. Mediators of Inflammation, 2016, 2016, 1-9.	3.0	37
27	Intravenous Thrombolysis and Passes of Thrombectomy as Predictors for Endovascular Revascularization in Ischemic Stroke. Journal of Stroke and Cerebrovascular Diseases, 2016, 25, 2488-2495.	1.6	37
28	Pim1 kinase is upregulated in glioblastoma multiforme and mediates tumor cell survival. Neuro-Oncology, 2015, 17, 223-242.	1.2	36
29	Intravenous injection of gadobutrol in an epidemiological study group did not lead to a difference in relative signal intensities of certain brain structures after 5Âyears. European Radiology, 2017, 27, 772-777.	4.5	36
30	High spatial resolution inÂvivo magnetic resonance imaging of the human eye, orbit, nervus opticus and optic nerve sheath at 7.0 Tesla. Experimental Eye Research, 2014, 125, 89-94.	2.6	34
31	Diagnosis and Differential Diagnosis of Hydrocephalus inÂAdults. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2017, 189, 728-739.	1.3	34
32	7.1 T MRI to Assess the Anterior Segment of the Eye. , 2010, 51, 6575.		33
33	Magnetic resonance-guided upper abdominal biopsies in a high-field wide-bore 3-T MRI system: feasibility, handling, and needle artefacts. European Radiology, 2010, 20, 2414-2421.	4.5	32
34	Ophthalmic Magnetic Resonance Imaging at 7 T Using a 6-Channel Transceiver Radiofrequency Coil Array in Healthy Subjects and Patients With Intraocular Masses. Investigative Radiology, 2014, 49, 260-270.	6.2	32
35	Subacute Infarct Volume With Edema Correction in Computed Tomography Is Equivalent to Final Infarct Volume After Ischemic Stroke. Investigative Radiology, 2018, 53, 472-476.	6.2	30
36	Prevalence and outcome of lateâ€onset seizures due to autoimmune etiology: A prospective observational populationâ€based cohort study. Epilepsia, 2017, 58, 1542-1550.	5.1	28

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37	Ischemic lesion growth in acute stroke: Water uptake quantification distinguishes between edema and tissue infarct. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 823-832.	4.3	27
38	ERASER. Stroke, 2019, 50, 1275-1278.	2.0	25
39	Artificial intelligence for classification of temporal lobe epilepsy with ROI-level MRI data: A worldwide ENIGMA-Epilepsy study. NeuroImage: Clinical, 2021, 31, 102765.	2.7	25
40	Diffusion-Sensitized Ophthalmic Magnetic Resonance Imaging Free of Geometric Distortion at 3.0 and 7.0 T. Investigative Radiology, 2015, 50, 309-321.	6.2	24
41	Cine MRI: a new approach to the diagnosis of scapholunate dissociation. Skeletal Radiology, 2015, 44, 1103-1110.	2.0	24
42	Diffusion tensor imaging abnormalities in photosensitive juvenile myoclonic epilepsy. European Journal of Neurology, 2015, 22, 1192-1200.	3.3	23
43	Multimodal biological brain age prediction using magnetic resonance imaging and angiography with the identification of predictive regions. Human Brain Mapping, 2022, 43, 2554-2566.	3.6	23
44	A systemsâ€level analysis highlights microglial activation as a modifying factor in common epilepsies. Neuropathology and Applied Neurobiology, 2022, 48, .	3.2	22
45	Ultrahigh field magnetic resonance and colour Doppler real-time fusion imaging of the orbit – a hybrid tool for assessment of choroidal melanoma. European Radiology, 2014, 24, 1112-1117.	4.5	21
46	Third molars and periodontal damage of second molars in the general population. Journal of Clinical Periodontology, 2018, 45, 1365-1374.	4.9	21
47	Correlation of Ki-67 Index with Volumetric Segmentation and its Value as a Prognostic Marker in Glioblastoma. World Neurosurgery, 2019, 125, e1093-e1103.	1.3	21
48	Laser ablation of lung metastases: results according to diameter and location. European Radiology, 2006, 16, 1769-1778.	4.5	20
49	Blunt craniocervical artery injury in cervical spine lesions: the value of CT angiography. Acta Neurochirurgica, 2010, 152, 1679-1686.	1.7	20
50	Neurogenic heterotopic ossification: epidemiology and morphology on conventional radiographs in an early neurological rehabilitation population. Skeletal Radiology, 2012, 41, 61-66.	2.0	20
51	Percutaneous Balloon Kyphoplasty with the Patient under Intravenous Analgesia and Sedation: A Feasibility Study. American Journal of Neuroradiology, 2011, 32, 649-653.	2.4	19
52	Volumetric assessment of glioblastoma and its predictive value for survival. Acta Neurochirurgica, 2019, 161, 1723-1732.	1.7	18
53	Ophthalmic Magnetic Resonance Imaging: Where Are We (Heading To)?. Current Eye Research, 2021, 46, 1251-1270.	1.5	18
54	Topographic divergence of atypical cortical asymmetry and atrophy patterns in temporal lobe epilepsy. Brain, 2022, 145, 1285-1298.	7.6	18

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55	Functional magnetic resonance imaging of brain activity during chewing and occlusion by natural teeth and occlusal splints. Annals of Anatomy, 2007, 189, 371-376.	1.9	17
56	Anatomic and pathological characterization of choroidal melanoma using multimodal imaging. Melanoma Research, 2015, 25, 252-258.	1.2	17
57	Ischaemic stroke and the recanalization drug tissue plasminogen activator interfere with antibacterial phagocyte function. Journal of Neuroinflammation, 2017, 14, 140.	7.2	17
58	Association of anthropometric markers with globe position: A population-based MRI study. PLoS ONE, 2019, 14, e0211817.	2.5	17
59	Endoscope-Assisted Microvascular Decompression for the Management of Hemifacial Spasm Caused by Vertebrobasilar Dolichoectasia. World Neurosurgery, 2019, 121, e566-e575.	1.3	17
60	MRI in multiple sclerosis: an intra-individual, randomized and multicentric comparison of gadobutrol with gadoterate meglumine at 3 T. European Radiology, 2016, 26, 820-828.	4.5	16
61	Impairments in Walking Ability, Dexterity, and Cognitive Function in Multiple Sclerosis Are Associated with Different Regional Cerebellar Gray Matter Loss. Cerebellum, 2017, 16, 945-950.	2.5	16
62	Repeated intravenous administration of gadobutrol does not lead to increased signal intensity on unenhanced T1-weighted images—a voxel-based whole brain analysis. European Radiology, 2017, 27, 3687-3693.	4.5	16
63	Reference ranges of left ventricular structure and function assessed by contrast-enhanced cardiac MR and changes related to ageing and hypertension in a population-based study. European Radiology, 2018, 28, 3996-4005.	4.5	16
64	Evaluating Common Cavity Cochlear Deformities Using CT Images and 3D Reconstruction. Laryngoscope, 2021, 131, 386-391.	2.0	16
65	Safety and Angiographic Efficacy of Intra-Arterial Fibrinolytics as Adjunct to Mechanical Thrombectomy: Results from the INFINITY Registry. Journal of Stroke, 2021, 23, 91-102.	3.2	16
66	The value of perfusion computed tomography in predicting clinically relevant vasospasm in patients with aneurysmal subarachnoid hemorrhage. Neurosurgical Review, 2013, 36, 267-278.	2.4	15
67	Comparison of Parameter Threshold Combinations for Diffusion Tensor Tractography in Chronic Stroke Patients and Healthy Subjects. PLoS ONE, 2014, 9, e98211.	2.5	15
68	The role of global and regional gray matter volume decrease in multiple sclerosis. Journal of Neurology, 2016, 263, 1137-1145.	3.6	15
69	CT imaging-based approaches to cochlear duct length estimation—a human temporal bone study. European Radiology, 2022, 32, 1014-1023.	4.5	15
70	MR Microscopy of the Human Eye at 7.1 T and Correlation with Histopathology – Proof of Principle. Orbit, 2012, 31, 390-393.	0.8	14
71	Open Mastoid Cavity Obliteration With a High-Porosity Hydroxyapatite Ceramic Leads to High Rate of Revision Surgery and Insufficient Cavity Obliteration. Otology and Neurotology, 2020, 41, e55-e63.	1.3	14
72	Intraarterial Recombinant Tissue Plasminogen Activator Thrombolysis of Acute and Semiacute Lower Limb Arterial Occlusion: Quality Assurance, Complication Management, and 12-Month Follow-Up Reinterventions. American Journal of Roentgenology, 2011, 196, 1189-1193.	2.2	13

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73	Management of Intracranial Incidental Findings onÂBrain MRI. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2016, 188, 1123-1133.	1.3	13
74	Acute upper gastrointestinal hemorrhage: is a radiological interventional approach an alternative to emergency surgery?. Emergency Radiology, 2008, 15, 413-419.	1.8	12
75	Mapping Cochlear Duct Length to Electrically Evoked Compound Action Potentials in Cochlear Implantation. Otology and Neurotology, 2021, 42, e254-e260.	1.3	12
76	Impact of Toll-Like Receptor 2 Deficiency on Survival and Neurological Function after Cardiac Arrest: A Murine Model of Cardiopulmonary Resuscitation. PLoS ONE, 2013, 8, e74944.	2.5	12
77	Cerebral sinuvenous thrombosis associated with Lyme neuroborreliosis. Journal of Neurology, 2010, 257, 481-483.	3.6	11
78	Osseofix® System for Percutaneous Stabilization of Osteoporotic andÂTumorous Vertebral Compression Fractures – Clinical and Radiological Results AfterÂ12ÂMonths. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2014, 186, 380-387.	1.3	11
79	Influence of Recanalization and Time of Cerebral Ischemia onÂTissue Outcome after Endovascular Stroke Treatment onÂComputed Tomography Perfusion. Journal of Stroke and Cerebrovascular Diseases, 2015, 24, 2306-2312.	1.6	11
80	Juvenile Myoclonic Epilepsy Shows Potential Structural White Matter Abnormalities: A TBSS Study. Frontiers in Neurology, 2018, 9, 509.	2.4	11
81	Differentiation of retropharyngeal calcific tendinitis and retropharyngeal abscess: a case series and review of the literature. European Archives of Oto-Rhino-Laryngology, 2020, 277, 2631-2636.	1.6	11
82	CFD validation using in-vitro MRI velocity data – Methods for data matching and CFD error quantification. Computers in Biology and Medicine, 2021, 131, 104230.	7.0	11
83	Influence of cardiovascular risk-factors on morphological changes of cerebral arteries in healthy adults across the life span. Scientific Reports, 2021, 11, 12236.	3.3	11
84	In vivo 7.1 T magnetic resonance imaging to assess the lens geometry in rabbit eyes 3 years after lens-refilling surgery. Journal of Cataract and Refractive Surgery, 2011, 37, 749-757.	1.5	10
85	Experimental Differentiation of Intraocular Masses Using Ultrahigh-Field Magnetic Resonance Imaging – A Case Series. PLoS ONE, 2013, 8, e81284.	2.5	10
86	Prevention of capsule opacification after accommodating lens refilling: Pilot study of strategies evaluated in a monkey model. Journal of Cataract and Refractive Surgery, 2014, 40, 1521-1535.	1.5	9
87	Morphologic and biometric evaluation of chick embryo eyes in ovo using 7 Tesla MRI. Scientific Reports, 2017, 7, 2647.	3.3	9
88	Thrombectomy for secondary distal, medium vessel occlusions of the posterior circulation: seeking complete reperfusion. Journal of NeuroInterventional Surgery, 2022, 14, 654-659.	3.3	9
89	Patient Body Weight-Tailored Contrast Medium Injection Protocol for the Craniocervical Vessels: A Prospective Computed Tomography Study. PLoS ONE, 2014, 9, e88867.	2.5	9
90	Arachnoid Cyst Confined to the Internal Auditory Canal—Endoscope-Assisted Resection: Case Report and Review of the Literature. Neurosurgery, 2011, 68, E267-E270.	1.1	8

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91	MR microscopy of the human finger and correlation with histology—a proofâ€ofâ€principle study. Clinical Anatomy, 2013, 26, 719-727.	2.7	8
92	7.1 T MRI and T2 mapping of the human and porcine vitreous body post mortem. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 131, 82-91.	4.3	8
93	Ultra High-Field Magnetic Resonance Imaging of a Glaucoma Microstent. Current Eye Research, 2011, 36, 719-726.	1.5	7
94	Sturdivan's formula revisited: MRI assessment of anterior chest wall thickness for injury risk prediction of blunt ballistic impact trauma. Forensic Science International, 2011, 212, 110-114.	2.2	7
95	Software-based noise reduction in cranial magnetic resonance imaging: Influence on image quality. PLoS ONE, 2018, 13, e0206196.	2.5	7
96	Longâ€ŧerm prevention of capsular opacification after lensâ€refilling surgery in a rabbit model. Acta Ophthalmologica, 2019, 97, e860-e870.	1.1	7
97	Primary Leptomeningeal Melanoma of the Cervical Spine Mimicking a Meningioma—A Case Report. Journal of Neurological Surgery Reports, 2014, 75, e93-e97.	0.6	6
98	Radiological Diagnosis and Differential Diagnosis ofÂHeadache. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2015, 187, 879-891.	1.3	6
99	MR microscopy of the human fetal upper extremity – a proof-of-principle study. BMC Developmental Biology, 2016, 16, 21.	2.1	6
100	Millimeter spatial resolution in vivo sodium MRI of the human eye at 7 T using a dedicated radiofrequency transceiver array. Magnetic Resonance in Medicine, 2018, 80, 672-684.	3.0	6
101	Ruptured Massa Intermedia Secondary to Hydrocephalus. World Neurosurgery, 2017, 97, 749.e7-749.e10.	1.3	5
102	Ultrahigh-Field Quantitative MR Microscopy of the Chicken Eye In Vivo Throughout the In Ovo Period. Molecular Imaging and Biology, 2019, 21, 78-85.	2.6	5
103	CT Hypoperfusion-Hypodensity Mismatch to Identify Patients With Acute Ischemic Stroke Within 4.5 Hours of Symptom Onset. Neurology, 2021, 97, e2088-e2095.	1.1	5
104	Inter-rater Agreement in Three Perfusion-Computed Tomography Evaluation Methods before Endovascular Therapy for Acute Ischemic Stroke. Journal of Stroke and Cerebrovascular Diseases, 2016, 25, 960-968.	1.6	4
105	3-Tesla Kinematic MRI of the Cervical Spine for Evaluation of Adjacent Level Disease After Monosegmental Anterior Cervical Discectomy and Arthroplasty. Spine, 2017, 42, 224-231.	2.0	4
106	Clinical Improvement Following Stroke Promptly Reverses Post-stroke Cellular Immune Alterations. Frontiers in Neurology, 2019, 10, 414.	2.4	4
107	Immunoadsorption for Treatment of Patients with Suspected Alzheimer Dementia and Agonistic Autoantibodies against Alpha1a-Adrenoceptor—Rationale and Design of the IMAD Pilot Study. Journal of Clinical Medicine, 2020, 9, 1919.	2.4	4
108	Tonsillar herniation and syringomyelia caused by long-standing occlusive hydrocephalus due to aqueductal stenosis: rapid resolution after endoscopic third ventriculostomy—a case report. Journal of Neurology, Neurosurgery and Psychiatry, 2012, 83, 343-344.	1.9	3

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109	Thrombus density measurement is promising but technical standards are needed. Journal of NeuroInterventional Surgery, 2017, 9, e9.2-e10.	3.3	3
110	Four-Hand Suction-Irrigation Technique Leads to Gross Total Resection and Long-Term Progression-Free Survival in Fourth Ventricular Ependymoma. World Neurosurgery, 2017, 107, 437-444.	1.3	3
111	Surgical approach for complete cochlear coverage in EAS-patients after residual hearing loss. PLoS ONE, 2019, 14, e0223121.	2.5	3
112	Three-dimensional imaging and three-dimensional printing for plastic preparation of medical interventions. Der Radiologe, 2020, 60, 70-79.	1.7	3
113	Optimized imaging of the midface and orbits. GMS Current Topics in Otorhinolaryngology, Head and Neck Surgery, 2015, 14, Doc05.	0.8	3
114	Percutaneous Treatment of Infrarenal Aortic Aneurysm with a Polytetrafluoroethylene-covered Nitinol Stent-Graft via a 10-F Introducer Sheath. Journal of Vascular and Interventional Radiology, 2008, 19, 1378-1381.	0.5	2
115	Nail projectiles propelled by a mason's lacing cord: an experimental approach. International Journal of Legal Medicine, 2013, 127, 153-158.	2.2	2
116	MR imaging of model drug distribution in simulated vitreous. Current Directions in Biomedical Engineering, 2015, 1, 236-239.	0.4	2
117	Comparing perfusion CT evaluation algorithms for predicting outcome after endovascular treatment in anterior circulation ischaemic stroke. Clinical Radiology, 2015, 70, e41-e50.	1.1	2
118	Recanalization and Reperfusion in Acute Stroke - More Often Different than Alike. Clinical Neuroradiology, 2016, 26, 375-376.	1.9	2
119	Urinary bladder volume measured in whole-body CT scans is a useful marker for alcohol intoxication. Alcohol, 2017, 65, 45-50.	1.7	2
120	Bioccipital Lobe Hypoperfusion and Anton's Syndrome Resolution with Intravenous Thrombolysis. Journal of Stroke and Cerebrovascular Diseases, 2019, 28, 227-228.	1.6	2
121	Age-Related Changes of the Human Crystalline Lens on High-Spatial Resolution Three-Dimensional T1-Weighted Brain Magnetic Resonance Images In Vivo. , 2020, 61, 7.		2
122	Intrathecal Application of a Fluorescent Dye for the Identification of Cerebrospinal Fluid Leaks in Cochlear Malformation. Journal of Visualized Experiments, 2020, , .	0.3	2
123	Ultrahigh field MRI determination of water diffusion rates in ex vivo human lenses of different age. Quantitative Imaging in Medicine and Surgery, 2021, 11, 3029-3041.	2.0	2
124	Direct Glyph-based Visualization of Diffusion MR Data Using Deformed Spheres. Mathematics and Visualization, 2008, , 185-204.	0.6	2
125	Artificial Intelligence and Big Data. Klinische Monatsblatter Fur Augenheilkunde, 2020, 237, 1438-1441.	0.5	2
126	Factors associated with early reperfusion improvement after intra-arterial fibrinolytics as rescue for mechanical thrombectomy. Clinical and Translational Neuroscience, 2021, 5, 2514183X2110173	0.9	1

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127	Can sacrum height predict body height, age, and sex? A large population-based MRI study. Forensic Imaging, 2020, 21, 200379.	0.6	0