

Mark G Vangel

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8614080/publications.pdf>

Version: 2024-02-01

82
papers

3,211
citations

159358

30
h-index

174990

52
g-index

84
all docs

84
docs citations

84
times ranked

6464
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for brain glial activation in chronic pain patients. <i>Brain</i> , 2015, 138, 604-615.	3.7	372
2	Effect of transcutaneous auricular vagus nerve stimulation on major depressive disorder: A nonrandomized controlled pilot study. <i>Journal of Affective Disorders</i> , 2016, 195, 172-179.	2.0	174
3	Repeatability of Multiparametric Prostate MRI Radiomics Features. <i>Scientific Reports</i> , 2019, 9, 9441.	1.6	169
4	White matter abnormalities across the lifespan of schizophrenia: a harmonized multi-site diffusion MRI study. <i>Molecular Psychiatry</i> , 2020, 25, 3208-3219.	4.1	115
5	Evaluation of Quantitative PET/MR Enterography Biomarkers for Discrimination of Inflammatory Strictures from Fibrotic Strictures in Crohn Disease. <i>Radiology</i> , 2016, 278, 792-800.	3.6	113
6	Catheter Ablation for Cardiac Arrhythmias. <i>JACC: Clinical Electrophysiology</i> , 2017, 3, 1240-1248.	1.3	111
7	Altered Development and Multifaceted Band-Specific Abnormalities of Resting State Networks in Autism. <i>Biological Psychiatry</i> , 2015, 77, 794-804.	0.7	107
8	Thrombosis, Bleeding, and the Observational Effect of Early Therapeutic Anticoagulation on Survival in Critically Ill Patients With COVID-19. <i>Annals of Internal Medicine</i> , 2021, 174, 622-632.	2.0	89
9	Emergency Department Visits for Atrial Fibrillation in the United States: Trends in Admission Rates and Economic Burden From 2007 to 2014. <i>Journal of the American Heart Association</i> , 2018, 7, .	1.6	77
10	Change in Brainstem Gray Matter Concentration Following a Mindfulness-Based Intervention is Correlated with Improvement in Psychological Well-Being. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 33.	1.0	75
11	Coordination of Slow Waves With Sleep Spindles Predicts Sleep-Dependent Memory Consolidation in Schizophrenia. <i>Sleep</i> , 2017, 40, .	0.6	69
12	In Vivo Quantification of Placental Insufficiency by BOLD MRI: A Human Study. <i>Scientific Reports</i> , 2017, 7, 3713.	1.6	66
13	Assessment of the Predictive Validity of Etiologic Stroke Classification. <i>JAMA Neurology</i> , 2017, 74, 419.	4.5	65
14	Resting state connectivity immediately following learning correlates with subsequent sleep-dependent enhancement of motor task performance. <i>NeuroImage</i> , 2014, 102, 666-673.	2.1	59
15	Multiparametric Magnetic Resonance Imaging of the Prostate. <i>Investigative Radiology</i> , 2017, 52, 538-546.	3.5	56
16	T2 relaxation time is related to liver fibrosis severity. <i>Quantitative Imaging in Medicine and Surgery</i> , 2016, 6, 103-114.	1.1	54
17	PET/MR in invasive ductal breast cancer: correlation between imaging markers and histological phenotype. <i>British Journal of Cancer</i> , 2017, 116, 893-902.	2.9	52
18	Colorectal cancer staging: comparison of whole-body PET/CT and PET/MR. <i>Abdominal Radiology</i> , 2017, 42, 1141-1151.	1.0	52

#	ARTICLE	IF	CITATIONS
19	Staging performance of whole-body DWI, PET/CT and PET/MRI in invasive ductal carcinoma of the breast. <i>International Journal of Oncology</i> , 2017, 51, 281-288.	1.4	52
20	Fibromyalgia is characterized by altered frontal and cerebellar structural covariance brain networks. <i>NeuroImage: Clinical</i> , 2015, 7, 667-677.	1.4	51
21	Percutaneous Image-Guided Cryoablation of Hepatic Tumors: Single-Center Experience With Intermediate to Long-Term Outcomes. <i>American Journal of Roentgenology</i> , 2017, 209, 1381-1389.	1.0	49
22	Utilization and in-hospital complications of cardiac resynchronization therapy: trends in the United States from 2003 to 2013. <i>European Heart Journal</i> , 2017, 38, 2122-2128.	1.0	45
23	Strengthened Hippocampal Circuits Underlie Enhanced Retrieval of Extinguished Fear Memories Following Mindfulness Training. <i>Biological Psychiatry</i> , 2019, 86, 693-702.	0.7	43
24	Differences in Weeklong Ambulatory Vocal Behavior Between Female Patients With Phonotraumatic Lesions and Matched Controls. <i>Journal of Speech, Language, and Hearing Research</i> , 2020, 63, 372-384.	0.7	41
25	Analgesic Effects Evoked by Real and Imagined Acupuncture: A Neuroimaging Study. <i>Cerebral Cortex</i> , 2019, 29, 3220-3231.	1.6	39
26	Increased Thalamocortical Connectivity in Schizophrenia Correlates With Sleep Spindle Deficits: Evidence for a Common Pathophysiology. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 706-714.	1.1	39
27	Repeatability of Cerebral Perfusion Using Dynamic Susceptibility Contrast MRI in Glioblastoma Patients. <i>Translational Oncology</i> , 2015, 8, 137-146.	1.7	38
28	Decreased Microvascular Cerebral Blood Flow Assessed by Diffuse Correlation Spectroscopy after Repetitive Concussions in Mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1995-2000.	2.4	33
29	High-resolution renal perfusion mapping using contrast-enhanced ultrasonography in ischemia-reperfusion injury monitors changes in renal microperfusion. <i>Kidney International</i> , 2016, 89, 1388-1398.	2.6	33
30	The Role of Pathology Correlation Approach in Prostate Cancer Index Lesion Detection and Quantitative Analysis with Multiparametric MRI. <i>Academic Radiology</i> , 2015, 22, 548-555.	1.3	32
31	Management implications of fluorodeoxyglucose positron emission tomography/magnetic resonance in untreated intrahepatic cholangiocarcinoma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 1871-1884.	3.3	32
32	The effects of eszopiclone on sleep spindles and memory consolidation in schizophrenia: a randomized clinical trial. <i>Neuropsychopharmacology</i> , 2020, 45, 2189-2197.	2.8	31
33	Age and Obesity Promote Methylation and Suppression of 5 α -Reductase 2: Implications for Personalized Therapy of Benign Prostatic Hyperplasia. <i>Journal of Urology</i> , 2015, 194, 1031-1037.	0.2	30
34	Comparison of the clinical performance of upper abdominal PET/DCE-MRI with and without concurrent respiratory motion correction (MoCo). <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 2147-2154.	3.3	28
35	Clinical impact of PET/MR in treated colorectal cancer patients. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 2260-2269.	3.3	28
36	Functional MRI Task Comparison for Language Mapping in Neurosurgical Patients. <i>Journal of Neuroimaging</i> , 2019, 29, 348-356.	1.0	28

#	ARTICLE	IF	CITATIONS
37	Investigating the role of DCE-MRI, over T2 and DWI, in accurate PI-RADS v2 assessment of clinically significant peripheral zone prostate lesions as defined at radical prostatectomy. <i>Abdominal Radiology</i> , 2019, 44, 1520-1527.	1.0	28
38	Interreader Agreement of Prostate Imaging Reporting and Data System Version 2 Using an In-Bore MRI-Guided Prostate Biopsy Cohort: A Single Institution's Initial Experience. <i>American Journal of Roentgenology</i> , 2017, 209, W145-W151.	1.0	27
39	Spectrally encoded confocal microscopy for diagnosing breast cancer in excision and margin specimens. <i>Laboratory Investigation</i> , 2016, 96, 459-467.	1.7	26
40	Quantifying Synovial Enhancement of the Pediatric Temporomandibular Joint. <i>Journal of Oral and Maxillofacial Surgery</i> , 2016, 74, 1937-1945.	0.5	25
41	Neural markers of depression risk predict the onset of depression. <i>Psychiatry Research - Neuroimaging</i> , 2019, 285, 31-39.	0.9	25
42	PET/MRI assessment of lung nodules in primary abdominal malignancies: sensitivity and outcome analysis. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 1976-1986.	3.3	25
43	Dissociable Genetic Contributions to Error Processing: A Multimodal Neuroimaging Study. <i>PLoS ONE</i> , 2014, 9, e101784.	1.1	25
44	Phosphorylated Histone H3 (PHH3) Is a Superior Proliferation Marker for Prognosis of Pancreatic Neuroendocrine Tumors. <i>Annals of Surgical Oncology</i> , 2016, 23, 609-617.	0.7	24
45	Diffusion-weighted imaging evidence of altered white matter development from late childhood to early adulthood in Autism Spectrum Disorder. <i>NeuroImage: Clinical</i> , 2018, 19, 840-847.	1.4	24
46	Predictive role of PI-RADSV2 and ADC parameters in differentiating Gleason pattern 3+4 and 4+3 prostate cancer. <i>Abdominal Radiology</i> , 2019, 44, 279-285.	1.0	24
47	Quantitative pharmacokinetic analysis of prostate cancer DCE-MRI at 3T: comparison of two arterial input functions on cancer detection with digitized whole mount histopathological validation. <i>Magnetic Resonance Imaging</i> , 2015, 33, 886-894.	1.0	23
48	Validation of a Comprehensive Clinical Algorithm for the Assessment and Treatment of Microbial Keratitis. <i>American Journal of Ophthalmology</i> , 2020, 214, 97-109.	1.7	23
49	Bladder cancer local staging: multiparametric MRI performance following transurethral resection. <i>Abdominal Radiology</i> , 2018, 43, 2412-2423.	1.0	22
50	Impact of PET/MRI in the Treatment of Pancreatic Adenocarcinoma: a Retrospective Cohort Study. <i>Molecular Imaging and Biology</i> , 2021, 23, 456-466.	1.3	22
51	Remediating Desmoplasia with EGFR-Targeted Photoactivable Multi-Inhibitor Liposomes Doubles Overall Survival in Pancreatic Cancer. <i>Advanced Science</i> , 2022, 9, .	5.6	22
52	The relationship of perceptual discrimination to neural mechanisms of fear generalization. <i>NeuroImage</i> , 2019, 188, 445-455.	2.1	20
53	Manipulating placebo analgesia and nocebo hyperalgesia by changing brain excitability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	20
54	Dyscoordination of non-rapid eye movement sleep oscillations in autism spectrum disorder. <i>Sleep</i> , 2022, 45, .	0.6	20

#	ARTICLE	IF	CITATIONS
55	Investigating Sexual Dimorphism of Human White Matter in a Harmonized, Multisite Diffusion Magnetic Resonance Imaging Study. <i>Cerebral Cortex</i> , 2021, 31, 201-212.	1.6	19
56	Elucidating the relationship between white matter structure, demographic, and clinical variables in schizophrenia—a multicenter harmonized diffusion tensor imaging study. <i>Molecular Psychiatry</i> , 2021, 26, 5357-5370.	4.1	17
57	Clinical impact of PET/MRI in oligometastatic colorectal cancer. <i>British Journal of Cancer</i> , 2021, 125, 975-982.	2.9	17
58	Pediatric Magnet Ingestions After Federal Rule Changes, 2009-2019. <i>JAMA - Journal of the American Medical Association</i> , 2020, 324, 2102.	3.8	17
59	Performance of 18F-fluciclovine PET/MR in the evaluation of osseous metastases from castration-resistant prostate cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 105-114.	3.3	16
60	Effect of motion artifacts and their correction on near-infrared spectroscopy oscillation data: a study in healthy subjects and stroke patients. <i>Journal of Biomedical Optics</i> , 2015, 20, 056011.	1.4	15
61	Hippocampal circuits underlie improvements in self-reported anxiety following mindfulness training. <i>Brain and Behavior</i> , 2020, 10, e01766.	1.0	14
62	Myo-Inositol Levels Measured with MR Spectroscopy Can Help Predict Failure of Antiangiogenic Treatment in Recurrent Glioblastoma. <i>Radiology</i> , 2022, 302, 410-418.	3.6	13
63	Naps reliably estimate nocturnal sleep spindle density in health and schizophrenia. <i>Journal of Sleep Research</i> , 2020, 29, e12968.	1.7	12
64	Diagnostic performance of PET/MR in the evaluation of active inflammation in Crohn disease. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 8, 62-69.	1.0	12
65	Comparative Effectiveness of Transcutaneous Auricular Vagus Nerve Stimulation vs Citalopram for Major Depressive Disorder: A Randomized Trial. <i>Neuromodulation</i> , 2022, 25, 450-460.	0.4	11
66	The association of matrix metalloproteinase 9 (MMP9) with hippocampal volume in schizophrenia: a preliminary MRI study. <i>Neuropsychopharmacology</i> , 2022, 47, 524-530.	2.8	10
67	Intrascanner Reproducibility of an SPM-Based Head MR-Based Attenuation Correction Method. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2019, 3, 327-333.	2.7	9
68	Multiparametric MRI as a Biomarker of Response to Neoadjuvant Therapy for Localized Prostate Cancer—A Pilot Study. <i>Academic Radiology</i> , 2020, 27, 1432-1439.	1.3	9
69	Temporal/compartmental changes in viral RNA and neuronal injury in a primate model of NeuroAIDS. <i>PLoS ONE</i> , 2018, 13, e0196949.	1.1	8
70	PET/MRI Radiomics in Rectal Cancer: a Pilot Study on the Correlation Between PET- and MRI-Derived Image Features with a Clinical Interpretation. <i>Molecular Imaging and Biology</i> , 2020, 22, 1438-1445.	1.3	8
71	Protocol for a prospective evaluation of postpartum engagement in HIV care among women living with HIV in South Africa. <i>BMJ Open</i> , 2020, 10, e035465.	0.8	5
72	MR spectroscopic imaging predicts early response to anti-angiogenic therapy in recurrent glioblastoma. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab060.	0.4	5

#	ARTICLE	IF	CITATIONS
73	Risk stratification of prostate cancer patients based on EPS-urine zinc content. American Journal of Cancer Research, 2014, 4, 385-93.	1.4	5
74	Movie-watching fMRI for presurgical language mapping in patients with brain tumour. Journal of Neurology, Neurosurgery and Psychiatry, 2022, 93, 220-221.	0.9	4
75	Daily Caffeine Consumption Does Not Influence Acupuncture Analgesia in Healthy Individuals: A Preliminary Study. Anesthesia and Analgesia, 2021, 132, e6-e9.	1.1	4
76	Magnetic resonance imaging-based cerebral tissue classification reveals distinct spatiotemporal patterns of changes after stroke in non-human primates. BMC Neuroscience, 2015, 16, 91.	0.8	3
77	A low-cost educational intervention to reduce unplanned extubation in low-resourced pediatric intensive care units. International Journal of Pediatric Otorhinolaryngology, 2021, 149, 110857.	0.4	3
78	Effect of Shirts with 42% Celliant™ Fiber on tcPO Levels and Grip Strength in Healthy Subjects: A Placebo-controlled Clinical Trial. Journal of Textile Science & Engineering, 2019, 9, .	0.2	2
79	Insert Needle Here! A Custom Display for Optimized Biopsy Needle Placement. , 2018, , .		1
80	O7.1. ABNORMAL DEVELOPMENT, FAULTY MATURATION OR ACCELERATED AGING? “WHITE MATTER AT THE CENTER STAGE OF SCHIZOPHRENIA” REVISITED. Schizophrenia Bulletin, 2019, 45, S178-S179.	2.3	0
81	BIOM-09. MYO-INOSITOL LEVELS ON MR SPECTROSCOPY CAN PREDICT FAILURE OF ANTI-ANGIOGENIC TREATMENT IN RECURRENT GLIOBLASTOMA. Neuro-Oncology, 2021, 23, vi11-vi12.	0.6	0
82	TAMI-29. MR SPECTROSCOPY MEASURES OF LAC/NAA AND NAA/CHO DIFFERENTIATE SURVIVORSHIP IN PATIENTS WITH RECURRENT GLIOBLASTOMA TREATED WITH ANTI-ANGIOGENIC THERAPY. Neuro-Oncology, 2021, 23, vi204-vi204.	0.6	0