

Kazim Gumus

List of Publications by Year in descending order

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59
papers

4,287
citations

279487

23
h-index

155451

55
g-index

62
all docs

62
docs citations

62
times ranked

5642
citing authors

#	ARTICLE	IF	CITATIONS
1	The CMS experiment at the CERN LHC. <i>Journal of Instrumentation</i> , 2008, 3, S08004-S08004.	0.5	2,192
2	CMS Physics Technical Design Report, Volume II: Physics Performance. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007, 34, 995-1579.	1.4	683
3	Measurement and Correction of Microscopic Head Motion during Magnetic Resonance Imaging of the Brain. <i>PLoS ONE</i> , 2012, 7, e48088.	1.1	177
4	CMS Physics Technical Design Report: Addendum on High Density QCD with Heavy Ions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007, 34, 2307-2455.	1.4	136
5	Design, performance, and calibration of CMS forward calorimeter wedges. <i>European Physical Journal C</i> , 2008, 53, 139-166.	1.4	60
6	Performance and operation of the CMS electromagnetic calorimeter. <i>Journal of Instrumentation</i> , 2010, 5, T03010-T03010.	0.5	59
7	Alignment of the CMS silicon tracker during commissioning with cosmic rays. <i>Journal of Instrumentation</i> , 2010, 5, T03009-T03009.	0.5	59
8	Identification and filtering of uncharacteristic noise in the CMS hadron calorimeter. <i>Journal of Instrumentation</i> , 2010, 5, T03014-T03014.	0.5	57
9	Performance of CMS muon reconstruction in cosmic-ray events. <i>Journal of Instrumentation</i> , 2010, 5, T03022-T03022.	0.5	52
10	Commissioning of the CMS experiment and the cosmic run at four tesla. <i>Journal of Instrumentation</i> , 2010, 5, T03001-T03001.	0.5	37
11	Performance of the CMS hadron calorimeter with cosmic ray muons and LHC beam data. <i>Journal of Instrumentation</i> , 2010, 5, T03012-T03012.	0.5	36
12	Precise mapping of the magnetic field in the CMS barrel yoke using cosmic rays. <i>Journal of Instrumentation</i> , 2010, 5, T03021-T03021.	0.5	36
13	Commissioning and performance of the CMS pixel tracker with cosmic ray muons. <i>Journal of Instrumentation</i> , 2010, 5, T03007-T03007.	0.5	35
14	Time reconstruction and performance of the CMS electromagnetic calorimeter. <i>Journal of Instrumentation</i> , 2010, 5, T03011-T03011.	0.5	34
15	Apparent diffusion coefficient in differentiation of pediatric posterior fossa tumors. <i>Japanese Journal of Radiology</i> , 2017, 35, 448-453.	1.0	32
16	Design, performance, and calibration of CMS hadron-barrel calorimeter wedges. <i>European Physical Journal C</i> , 2008, 55, 159-171.	1.4	30
17	The CMS barrel calorimeter response to particle beams from 2 to 350 GeV/c. <i>European Physical Journal C</i> , 2009, 60, 359-373.	1.4	29
18	Diagnosis of intracranial calcification and hemorrhage in pediatric patients: Comparison of quantitative susceptibility mapping and phase images of susceptibility-weighted imaging. <i>Diagnostic and Interventional Imaging</i> , 2017, 98, 707-714.	1.8	27

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19	Performance study of the CMS barrel resistive plate chambers with cosmic rays. Journal of Instrumentation, 2010, 5, T03017-T03017.	0.5	25
20	Measurement of the muon stopping power in lead tungstate. Journal of Instrumentation, 2010, 5, P03007-P03007.	0.5	25
21	Commissioning and performance of the CMS silicon strip tracker with cosmic ray muons. Journal of Instrumentation, 2010, 5, T03008-T03008.	0.5	25
22	Performance of the CMS drift tube chambers with cosmic rays. Journal of Instrumentation, 2010, 5, T03015-T03015.	0.5	24
23	Performance of the CMS Level-1 trigger during commissioning with cosmic ray muons and LHC beams. Journal of Instrumentation, 2010, 5, T03002-T03002.	0.5	24
24	Alignment of the CMS muon system with cosmic-ray and beam-halo muons. Journal of Instrumentation, 2010, 5, T03020-T03020.	0.5	23
25	Prevention of motion-induced signal loss in diffusion-weighted echo-planar imaging by dynamic restoration of gradient moments. Magnetic Resonance in Medicine, 2014, 71, 2006-2013.	1.9	22
26	Default mode network activity and neuropsychological profile in male children and adolescents with attention deficit hyperactivity disorder and conduct disorder. Brain Imaging and Behavior, 2017, 11, 1561-1570.	1.1	21
27	Diffusion tensor and volumetric magnetic resonance imaging findings in the brains of professional musicians. Journal of Chemical Neuroanatomy, 2018, 88, 33-40.	1.0	21
28	Performance of CMS hadron calorimeter timing and synchronization using test beam, cosmic ray, and LHC beam data. Journal of Instrumentation, 2010, 5, T03013-T03013.	0.5	20
29	Performance of the CMS cathode strip chambers with cosmic rays. Journal of Instrumentation, 2010, 5, T03018-T03018.	0.5	20
30	Separation of scintillation and Cherenkov light in an optical calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 550, 185-200.	0.7	19
31	Aligning the CMS muon chambers with the muon alignment system during an extended cosmic ray run. Journal of Instrumentation, 2010, 5, T03019-T03019.	0.5	19
32	Performance of the CMS drift-tube chamber local trigger with cosmic rays. Journal of Instrumentation, 2010, 5, T03003-T03003.	0.5	19
33	CMS data processing workflows during an extended cosmic ray run. Journal of Instrumentation, 2010, 5, T03006-T03006.	0.5	19
34	Susceptibility-Based Differentiation of Intracranial Calcification and Hemorrhage in Pediatric Patients. Journal of Child Neurology, 2015, 30, 1029-1036.	0.7	19
35	Magnetic Susceptibility Changes in the Basal Ganglia and Brain Stem of Patients with Wilson's Disease: Evaluation with Quantitative Susceptibility Mapping. Magnetic Resonance in Medical Sciences, 2018, 17, 73-79.	1.1	19
36	Fine synchronization of the CMS muon drift-tube local trigger using cosmic rays. Journal of Instrumentation, 2010, 5, T03004-T03004.	0.5	18

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37	Calibration of the CMS drift tube chambers and measurement of the drift velocity with cosmic rays. <i>Journal of Instrumentation</i> , 2010, 5, T03016-T03016.	0.5	17
38	Total intracranial and lateral ventricle volumes measurement in Alzheimer's disease: A methodological study. <i>Journal of Clinical Neuroscience</i> , 2016, 34, 133-139.	0.8	17
39	Design, performance, and calibration of the CMS hadron-outer calorimeter. <i>European Physical Journal C</i> , 2008, 57, 653-663.	1.4	12
40	Comparison of optical and MR-based tracking. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 894-902.	1.9	12
41	Brain diffusion tensor imaging in children with tuberous sclerosis. <i>Diagnostic and Interventional Imaging</i> , 2016, 97, 171-176.	1.8	11
42	Neural correlates for perception of companion animal photographs. <i>Neuropsychologia</i> , 2016, 85, 278-286.	0.7	9
43	Brain susceptibility changes in neurologically asymptomatic pediatric patients with Wilson's disease: evaluation with quantitative susceptibility mapping. <i>Acta Radiologica</i> , 2018, 59, 1380-1385.	0.5	9
44	Vibrational Spectroscopic Studies on the Dicycloheptylaminocobalt(II) Tetracyanonickellate(II) Host-Aromatic Guest Systems. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2005, 53, 219-229.	1.6	7
45	Comparison of high-energy hadronic shower profiles measured with scintillation and Cherenkov light. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008, 584, 304-318.	0.7	7
46	Commissioning of the CMS High-Level Trigger with cosmic rays. <i>Journal of Instrumentation</i> , 2010, 5, T03005-T03005.	0.5	5
47	Not all imagery is created equal: A functional Magnetic resonance imaging study of internally driven and symbol driven musical performance imagery. <i>Journal of Chemical Neuroanatomy</i> , 2020, 104, 101748.	1.0	4
48	Macrocerbellum: a case report. <i>Turkish Neurosurgery</i> , 2014, 25, 948-53.	0.1	4
49	Anatomical characterization of ADHD using an atlas-based analysis: A diffusion tensor imaging study. <i>The EuroBiotech Journal</i> , 2017, 1, 46-56.	0.5	4
50	Reconstruction of Quantitative Susceptibility Maps. <i>Radiology</i> , 2015, 275, 617-618.	3.6	3
51	Can Functional Connectivity at Resting Brain in ADHD Indicate the Impairments in Sensory-Motor Functions and Face/Emotion Recognition?. <i>Journal of Medical and Biological Engineering</i> , 2018, 38, 138-149.	1.0	3
52	Neural Correlates of Default Mode Network Connectivity in Children with Attention Deficit and Hyperactivity Disorder. <i>Current Medical Imaging</i> , 2017, 13, 185-194.	0.4	2
53	A rare incidence of metal artifact on MRI. <i>Quantitative Imaging in Medicine and Surgery</i> , 2017, 7, 142-143.	1.1	1
54	The CMS Collaboration. <i>Nuclear Physics A</i> , 2009, 830, 946c-956c.	0.6	0

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55	Exploring default mode connectivity using region of interest analysis in children with attention deficit and hyperactivity disorder. , 2015, , .		0
56	Obtaining resting state networks in early onset schizophrenia disease by Independent Component Analysis. , 2016, , .		0
57	Shell trajectory sampling of k-space in magnetic resonance imaging. Journal of Biotechnology, 2016, 231, S104.	1.9	0
58	The Role of Diffusion-Weighted Imaging in the Evaluation of the Whole Brain in Isolated Unilateral Polymicrogyria. Journal of Child Neurology, 2016, 31, 1575-1578.	0.7	0
59	Flow void artifact mimicking aneurysm in the anterior communicating artery region on T1- and T2-weighted images. Quantitative Imaging in Medicine and Surgery, 2015, 5, 633-4.	1.1	0