Sungeun Kim

List of Publications by Year in descending order

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66911 87888 7,187 130 38 78 citations h-index g-index papers 167 167 167 11026 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Glucose metabolism patterns: A potential index to characterize brain ageing and predict high conversion risk into cognitive impairment. GeroScience, 2022, 44, 2319-2336.	4.6	8
2	A deep learning framework identifies dimensional representations of Alzheimer's Disease from brain structure. Nature Communications, 2021, 12, 7065.	12.8	38
3	A telescope GWAS analysis strategy, based on SNPs-genes-pathways ensamble and on multivariate algorithms, to characterize late onset Alzheimer's disease. Scientific Reports, 2020, 10, 12063.	3.3	11
4	Genomeâ€wide transcriptome analysis identifies novel dysregulated genes implicated in Alzheimer's pathology. Alzheimer's and Dementia, 2020, 16, 1213-1223.	0.8	23
5	Harnessing peripheral DNA methylation differences in the Alzheimer's Disease Neuroimaging Initiative (ADNI) to reveal novel biomarkers of disease. Clinical Epigenetics, 2020, 12, 84.	4.1	57
6	Telomere Shortening in the Alzheimer's Disease Neuroimaging Initiative Cohort. Journal of Alzheimer's Disease, 2019, 71, 33-43.	2.6	14
7	Genetic architecture of subcortical brain structures in 38,851 individuals. Nature Genetics, 2019, 51, 1624-1636.	21.4	192
8	Bootstrapped Sparse Canonical Correlation Analysis. , 2018, , 101-117.		0
9	A Network-Based Framework for Mining High-Level Imaging Genetic Associations. , 2018, , 119-134.		O
10	Longitudinal Genotype–Phenotype Association Study through Temporal Structure Auto-Learning Predictive Model. Journal of Computational Biology, 2018, 25, 809-824.	1.6	6
11	Novel genetic loci associated with hippocampal volume. Nature Communications, 2017, 8, 13624.	12.8	250
12	Genome-wide association study identifies four novel loci associated with Alzheimer's endophenotypes and disease modifiers. Acta Neuropathologica, 2017, 133, 839-856.	7.7	199
13	Plasma Tau Association with Brain Atrophy in Mild Cognitive Impairment and Alzheimer's Disease. Journal of Alzheimer's Disease, 2017, 58, 1245-1254.	2.6	54
14	Tissue-specific network-based genome wide study of amygdala imaging phenotypes to identify functional interaction modules. Bioinformatics, 2017, 33, 3250-3257.	4.1	23
15	Metabolic network failures in Alzheimer's disease: A biochemical roadÂmap. Alzheimer's and Dementia, 2017, 13, 965-984.	0.8	362
16	Targeted neurogenesis pathway-based gene analysis identifies ADORA2A associated with hippocampal volume in mild cognitive impairment and Alzheimer's disease. Neurobiology of Aging, 2017, 60, 92-103.	3.1	70
17	Targeted metabolomics and medication classification data from participants in the ADNI1 cohort. Scientific Data, 2017, 4, 170140.	5.3	49
18	Genome-wide association and interaction studies of CSF T-tau/A \hat{l}^2 42 ratio in ADNI cohort. Neurobiology of Aging, 2017, 57, 247.e1-247.e8.	3.1	34

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19	Association analysis of rare variants near the APOE region with CSF and neuroimaging biomarkers of Alzheimer's disease. BMC Medical Genomics, 2017, 10, 29.	1.5	28
20	Genome-wide network-based pathway analysis of CSF t-tau/Al^21-42 ratio in the ADNI cohort. BMC Genomics, 2017, 18, 421.	2.8	13
21	Two-dimensional enrichment analysis for mining high-level imaging genetic associations. Brain Informatics, 2017, 4, 27-37.	3.0	13
22	[P1â \in "142]: DNA METHYLATION DYNAMICS IN ALZHEIMER's DISEASE DIAGNOSIS AND PROGRESSION. Alzheimer's and Dementia, 2017, 13, P297.	0.8	3
23	[ICâ€Pâ€063]: <i>KLK8</i> AS A MODULATOR OF ALZHEIMER's DISEASE PATHOLOGY: NEUROIMAGING GENETIC Alzheimer's and Dementia, 2017, 13, P51.	S _{0.8}	1
24	[F1–02–04]: INTEGRATING MULTIâ€MODALITY IMAGING AND MULTI‣AYER â€OMICS TO ADVANCE THE SYBIOLOGY OF ALZHEIMER's DISEASE. Alzheimer's and Dementia, 2017, 13, P175.	'STEMS	0
25	Longitudinal Genotype-Phenotype Association Study via Temporal Structure Auto-learning Predictive Model. Lecture Notes in Computer Science, 2017, 10229, 287-302.	1.3	8
26	Genome-wide association study of language performance in Alzheimer's disease. Brain and Language, 2017, 172, 22-29.	1.6	20
27	Genetic Influences on Plasma Homocysteine Levels in African Americans and Yoruba Nigerians. Journal of Alzheimer's Disease, 2016, 49, 991-1003.	2.6	12
28	ICâ€Pâ€072: Gene Expression Of ABCA7 Dysregulated in Peripheral Blood is Associated With Decreased Metabolic Activity in Hippocampus. Alzheimer's and Dementia, 2016, 12, P56.	0.8	0
29	ICâ€Pâ€074: Genomeâ€Wide Metaâ€Analysis of Transcriptome Profiling Identifies Novel Dysregulated Genes Implicated in Alzheimer's Disease. Alzheimer's and Dementia, 2016, 12, P58.	0.8	0
30	ICâ€Pâ€075: The Growth and Impact of ADNI Genetics Publications as Measured by Science Mapping. Alzheimer's and Dementia, 2016, 12, P60.	0.8	0
31	P2â€098: Whole Brain Surfaceâ€Based Analysis Identified Brain Atrophy Associated with SNPS in <i>FRMD6</i> Linked to Alzheimer's Disease. Alzheimer's and Dementia, 2016, 12, P648.	0.8	2
32	IC-P-109: Plasma TAU Levels in Mild Cognitive Impairment and Alzheimer's Disease. , 2016, 12, P82-P83.		0
33	P2â€258: The Growth and Impact of ADNI Genetics Publications as Measured by Science Mapping. Alzheimer's and Dementia, 2016, 12, P725.	0.8	0
34	P3â€087: Gene Expression of <i>ABCA7</i> Dysregulated in Peripheral Blood is Associated With Decreased Metabolic Activity in Hippocampus. Alzheimer's and Dementia, 2016, 12, P851.	0.8	0
35	P3-089: Influence of Parkinson's Disease Candidate Genes On Lewy Body Pathology in Autopsy-Confirmed Alzheimer's Disease Cases. , 2016, 12, P854-P854.		0
36	F1â€02â€01: The Alzheimer's Metabolome: Relationship to Pathological Markers and Cognitive Decline in the Alzheimer's Disease Neuroimaging Initiative (ADNI). Alzheimer's and Dementia, 2016, 12, P164.	0.8	0

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37	F1-02-02: Genetic Influence on Levels of Targeted Metabolites Associated with Alzheimer's Disease. , 2016, 12, P164-P165.		O
38	O2-06-02: Genome-Wide Meta-Analysis of Transcriptome Profiling Identifies Novel Dysregulated Genes Implicated in Alzheimer's Disease. , 2016, 12, P238-P239.		0
39	O4â€10â€04: Plasma TAU Levels in Mild Cognitive Impairment and Alzheimer's Disease. Alzheimer's and Dementia, 2016, 12, P358.	0.8	0
40	Novel genetic loci underlying human intracranial volume identified through genome-wide association. Nature Neuroscience, 2016, 19, 1569-1582.	14.8	213
41	O2â€10â€05: Cerebrospinal Fluid Levels of Amyloid Beta and Tau as Endophenotypes Reveal Novel Variants Potentially Informative for Alzheimer's Disease. Alzheimer's and Dementia, 2016, 12, P252.	0.8	0
42	Integration of bioinformatics and imaging informatics for identifying rare PSEN1 variants in Alzheimer's disease. BMC Medical Genomics, 2016, 9, 30.	1.5	20
43	Structured sparse CCA for brain imaging genetics via graph OSCAR. BMC Systems Biology, 2016, 10, 68.	3.0	9
44	Network-based analysis of genetic variants associated with hippocampal volume in Alzheimer's disease: a study of ADNI cohorts. BioData Mining, 2016, 9, 3.	4.0	28
45	Structured sparse canonical correlation analysis for brain imaging genetics: an improved GraphNet method. Bioinformatics, 2016, 32, 1544-1551.	4.1	96
46	P2-132: Association of cerebral microhemorrhages with amyloid deposition and hyperlipidemia. , 2015, 11, P534-P535.		0
47	P3-011: Genome-wide association of plasma homocysteine in the indianapolis-ibadan dementia study cohort., 2015, 11, P623-P624.		0
48	IC-P-042: Influence of rare reelin variants on quantitative PET imaging and CSF phenotypes in late-onset Alzheimer's disease., 2015, 11, P36-P36.		1
49	P1-201: Genetic findings using ADNI multimodal quantitative phenotypes: A 2014 update. , 2015, 11, P426-P426.		1
50	P3-014: Influence of rare RELN variants on quantitative PET imaging and CSF phenotypes in late-onset Alzheimer's disease., 2015, 11, P624-P625.		0
51	P4-191: Gwas identifies gli3 as a novel gene for language deficits and cortical changes in older adults at-risk for Alzheimer's disease. , 2015, 11, P853-P853.		0
52	P1-193: Anticholinergic medication use in older adults is associated with memory and hippocampal volume., 2015, 11, P422-P422.		0
53	IC-P-035: Effect of hypertension and antihypertensive medication on executive function, brain atrophy, and white matter hyperintensities., 2015, 11, P32-P33.		0
54	P4-002: Genome-wide network-based pathway analysis of CSF biomarker t-tau in the ADNI cohort., 2015, 11, P765-P765.		0

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55	P4-008: Mapre2 as a novel Alzheimer's disease target gene from gwas of CSF amyloid beta 1-42, tau and hyperphosphorylated tau in the ADNI cohort. , 2015, 11, P767-P768.		3
56	IC-P-034: Anticholinergic medication use in older adults is associated with memory and hippocampal volume., 2015, 11, P32-P32.		0
57	P4-197: Gene expression profiling identifies altered networks in late-onset Alzheimer's disease: Immune response and mitochondrial process. , 2015, 11, P855-P856.		O
58	O4-05-01: Gwas of longitudinal amyloid PET identifies IL1RAP as a new potential Alzheimer's disease target., 2015, 11, P277-P278.		0
59	Comprehensive Gene- and Pathway-Based Analysis of Depressive Symptoms in Older Adults. Journal of Alzheimer's Disease, 2015, 45, 1197-1206.	2.6	33
60	Genetic Interactions Explain Variance in Cingulate Amyloid Burden: An AV-45 PET Genome-Wide Association and Interaction Study in the ADNI Cohort. BioMed Research International, 2015, 2015, 1-11.	1.9	24
61	IC-P-037: Association of cerebral microhemorrhages with amyloid deposition and hyperlipidemia. , 2015, 11, P33-P34.		0
62	O1-04-04: Effect of hypertension and antihypertensive medication on executive function, brain atrophy, and white matter hyperintensities., 2015, 11, P133-P134.		0
63	P1-009: The nav2 (neuron navigator 2) gene as a common genetic influence across correlated episodic memory performances., 2015, 11, P339-P340.		0
64	O3-13-04: Genome-wide rare variant analysis identifies candidate genes significantly associated with composite scores for memory. , 2015, 11, P251-P252.		1
65	O4-12-06: The Alzheimer's metabolome: Identification of novel markers and treatment targets. , 2015, 11 , P301-P302.		0
66	Cortical surface biomarkers for predicting cognitive outcomes using group l2,1 norm. Neurobiology of Aging, 2015, 36, S185-S193.	3.1	43
67	Protective variant for hippocampal atrophy identified by whole exome sequencing. Annals of Neurology, 2015, 77, 547-552.	5. 3	48
68	Common genetic variants influence human subcortical brain structures. Nature, 2015, 520, 224-229.	27.8	772
69	Genetic studies of quantitative MCI and AD phenotypes in ADNI: Progress, opportunities, and plans. Alzheimer's and Dementia, 2015, 11, 792-814.	0.8	241
70	Hippocampal transcriptome-guided genetic analysis of correlated episodic memory phenotypes in Alzheimer's disease. Frontiers in Genetics, 2015, 6, 117.	2.3	23
71	<i>APOE</i> effect on Alzheimer's disease biomarkers in older adults with significant memory concern. Alzheimer's and Dementia, 2015, 11, 1417-1429.	0.8	157
72	Two-Dimensional Enrichment Analysis for Mining High-Level Imaging Genetic Associations. Lecture Notes in Computer Science, 2015, 9250, 115-124.	1.3	1

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73	GWAS of longitudinal amyloid accumulation on ¹⁸ F-florbetapir PET in Alzheimer's disease implicates microglial activation gene <i>IL1RAP</i> . Brain, 2015, 138, 3076-3088.	7.6	117
74	GN-SCCA: GraphNet Based Sparse Canonical Correlation Analysis for Brain Imaging Genetics. Lecture Notes in Computer Science, 2015, 9250, 275-284.	1.3	14
75	Joint identification of imaging and proteomics biomarkers of Alzheimer's disease using network-guided sparse learning. , 2014, 2014, 665-668.		1
76	Data synthesis and method evaluation for brain imaging genetics. , 2014, 2014, 1202-1205.		6
77	P3-018: INFLUENCE OF RARE PSEN1 VARIANTS ON QUANTITATIVE STRUCTURAL IMAGING AND CSF PHENOTYPES IN LATE ONSET ALZHEIMER'S DISEASE. , 2014, 10, P633-P633.		0
78	Transcriptome-guided amyloid imaging genetic analysis via a novel structured sparse learning algorithm. Bioinformatics, 2014, 30, i564-i571.	4.1	57
79	Gene-based GWAS and biological pathway analysis of the resilience of executive functioning. Brain Imaging and Behavior, 2014, 8, 110-118.	2.1	33
80	Genetic analysis of quantitative phenotypes in AD and MCI: imaging, cognition and biomarkers. Brain Imaging and Behavior, 2014, 8, 183-207.	2.1	161
81	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. Brain Imaging and Behavior, 2014, 8, 153-182.	2.1	696
82	Association of plasma and cortical amyloid beta is modulated by <i>APOE</i> $\hat{l}\mu4$ status. Alzheimer's and Dementia, 2014, 10, e9-e18.	0.8	43
83	IC-P-172: GENOME-WIDE PROTEIN INTERACTION GUIDED EPISTATIC ANALYSIS ON MEMORY PERFORMANCE: AN ADNI STUDY. , 2014, 10, P95-P96.		0
84	O3-03-02: TWO-YEAR LONGITUDINAL CHANGE IN AMYLOID DEPOSITION, GLUCOSE METABOLISM, AND HIPPOCAMPAL ATROPHY IN ADNI-2 PARTICIPANTS: RELATION TO GENETIC RISK. , 2014, 10, P211-P212.		1
85	IC-P-173: EFFECTS OF NEWLY IDENTIFIED TOP AD CANDIDATE GENES ON MEMORY PERFORMANCE: SNP, GENE, AND EPISTASIS ANALYSES IN ADNI. , 2014, 10, P96-P97.		0
86	P1-230: EFFECTS OF NEWLY IDENTIFIED TOP AD CANDIDATE GENES ON MEMORY PERFORMANCE: SNP, GENE, AND EPISTASIS ANALYSES IN ADNI. , 2014, 10, P388-P388.		0
87	IC-P-095: TWO-YEAR LONGITUDINAL CHANGE IN AMYLOID DEPOSITION, GLUCOSE METABOLISM, AND HIPPOCAMPAL ATROPHY IN ADNI-2 PARTICIPANTS: RELATION TO GENETIC RISK. , 2014, 10, P53-P54.		0
88	IC-P-174: RARE VARIANT IN PLD3 IS ASSOCIATED WITH ALZHEIMER'S PATTERN OF NEURODEGENERATIVE CHANGES. , 2014, 10, P97-P97.		0
89	P3-024: NEXT-GENERATION SEQUENCING OF THE BCHE LOCUS IDENTIFIES A FUNCTIONAL SNP ASSOCIATED WITH ALZHEIMER'S DISEASE BIOMARKERS AND AGE OF ONSET. , 2014, 10, P636-P636.		O
90	O2-03-01: INCREASED AMYLOID DEPOSITION IN OLDER ADULTS AT RISK FOR PROGRESSION TO ALZHEIMER'S DISEASE DUE TO GENETIC BACKGROUND AND/OR THE PRESENCE OF SIGNIFICANT MEMORY CONCERNS. , 2014, 10, P167-P167.		O

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91	IC-P-096: INCREASED AMYLOID DEPOSITION IN OLDER ADULTS AT RISK FOR PROGRESSION TO ALZHEIMER'S DISEASE DUE TO GENETIC BACKGROUND AND/OR THE PRESENCE OF SIGNIFICANT MEMORY CONCERNS. , 2014, 10, P54-P54.		0
92	P1-213: GENOME-WIDE PROTEIN INTERACTION-GUIDED EPISTATIC ANALYSIS ON MEMORY PERFORMANCE: AN ADNI STUDY. , 2014, 10, P381-P382.		0
93	P3-017: ASSOCIATION ANALYSIS OF RARE VARIANTS NEAR THE APOE REGION WITH CEREBROSPINAL FLUID (CSF) BIOMARKERS OF ALZHEIMER'S DISEASE. , 2014, 10, P632-P633.		0
94	P3-019: RARE VARIANT IN PLD3 IS ASSOCIATED WITH ALZHEIMER'S PATTERN OF NEURODEGENERATIVE CHANGES., 2014, 10, P634-P634.		0
95	A Novel Structure-Aware Sparse Learning Algorithm for Brain Imaging Genetics. Lecture Notes in Computer Science, 2014, 17, 329-336.	1.3	36
96	IC-O1-03: Hippocampal transcriptome-guided gene-gene interaction of memory phenotype in MCI and Alzheimer's disease., 2013, 9, P4-P4.		0
97	P3-002: GWAS of the joint ADGC data set identifies novel common variants associated with late-onset Alzheimer's disease., 2013, 9, P550-P550.		2
98	Influence of <i>TSPO</i> Genotype on ¹¹ C-PBR28 Standardized Uptake Values. Journal of Nuclear Medicine, 2013, 54, 1320-1322.	5.0	56
99	The role of apolipoprotein E (APOE) genotype in early mild cognitive impairment (E-MCI). Frontiers in Aging Neuroscience, 2013, 5, 11.	3.4	126
100	PARP1 Gene Variation and Microglial Activity on [11C]PBR28 PET in Older Adults at Risk for Alzheimer's Disease. Lecture Notes in Computer Science, 2013, 8159, 150-158.	1.3	8
101	A Graph-Based Integration of Multimodal Brain Imaging Data for the Detection of Early Mild Cognitive Impairment (E-MCI). Lecture Notes in Computer Science, 2013, 8159, 159-169.	1.3	10
102	Influence of Genetic Variation on Plasma Protein Levels in Older Adults Using a Multi-Analyte Panel. PLoS ONE, 2013, 8, e70269.	2.5	50
103	Genetic Clustering on the Hippocampal Surface for Genome-Wide Association Studies. Lecture Notes in Computer Science, 2013, 16, 690-697.	1.3	7
104	Analysis of Copy Number Variation in Alzheimer's Disease: The NIALOAD/ NCRAD Family Study. Current Alzheimer Research, 2012, 9, 801-814.	1.4	64
105	Multimodal Neuroimaging Predictors for Cognitive Performance Using Structured Sparse Learning. Lecture Notes in Computer Science, 2012, , 1-17.	1.3	4
106	From phenotype to genotype: an association study of longitudinal phenotypic markers to Alzheimer's disease relevant SNPs. Bioinformatics, 2012, 28, i619-i625.	4.1	62
107	Identifying quantitative trait loci via group-sparse multitask regression and feature selection: an imaging genetics study of the ADNI cohort. Bioinformatics, 2012, 28, 229-237.	4.1	149
108	Identification of common variants associated with human hippocampal and intracranial volumes. Nature Genetics, 2012, 44, 552-561.	21.4	594

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109	Genetic architecture of resilience of executive functioning. Brain Imaging and Behavior, 2012, 6, 621-633.	2.1	22
110	Genome-wide pathway analysis of memory impairment in the Alzheimer's Disease Neuroimaging Initiative (ADNI) cohort implicates gene candidates, canonical pathways, and networks. Brain Imaging and Behavior, 2012, 6, 634-648.	2.1	58
111	Voxel and surface-based topography of memory and executive deficits in mild cognitive impairment and Alzheimer's disease. Brain Imaging and Behavior, 2012, 6, 551-567.	2.1	66
112	Relationship between baseline brain metabolism measured using [18F]FDG PET and memory and executive function in prodromal and early Alzheimer's disease. Brain Imaging and Behavior, 2012, 6, 568-583.	2.1	47
113	Analysis of Copy Number Variation in Alzheimer's Disease in a Cohort of Clinically Characterized and Neuropathologically Verified Individuals. PLoS ONE, 2012, 7, e50640.	2.5	49
114	Multiple loci influencing hippocampal degeneration identified by genome scan. Annals of Neurology, 2012, 72, 65-75.	5.3	59
115	Amyloid pathway-based candidate gene analysis of [11C]PiB-PET in the Alzheimer's Disease Neuroimaging Initiative (ADNI) cohort. Brain Imaging and Behavior, 2012, 6, 1-15.	2.1	47
116	Voxelwise gene-wide association study (vGeneWAS): Multivariate gene-based association testing in 731 elderly subjects. NeuroImage, 2011, 56, 1875-1891.	4.2	116
117	Genomic Copy Number Analysis in Alzheimer's Disease and Mild Cognitive Impairment: An ADNI Study. International Journal of Alzheimer's Disease, 2011, 2011, 1-10.	2.0	51
118	FOURIER METHODS FOR 3D SURFACE MODELING AND ANALYSIS. Series in Computer Vision, 2011, , 175-196.	0.1	2
119	Hippocampal Surface Mapping of Genetic Risk Factors in AD via Sparse Learning Models. Lecture Notes in Computer Science, 2011, 14, 376-383.	1.3	20
120	Identifying Neuroimaging and Proteomic Biomarkers for MCI and AD via the Elastic Net. Lecture Notes in Computer Science, 2011, 7012, 27-34.	1.3	53
121	The effect of reference panels and software tools on genotype imputation. AMIA Annual Symposium proceedings, 2011, 2011, 1013-8.	0.2	8
122	Comparison of Manual and Automated Determination of Hippocampal Volumes in MCI and Early AD. Brain Imaging and Behavior, 2010, 4, 86-95.	2.1	74
123	Longitudinal MRI atrophy biomarkers: Relationship to conversion in the ADNI cohort. Neurobiology of Aging, 2010, 31, 1401-1418.	3.1	230
124	Alzheimer's Disease Neuroimaging Initiative biomarkers as quantitative phenotypes: Genetics core aims, progress, and plans. Alzheimer's and Dementia, 2010, 6, 265-273.	0.8	378
125	O3-03-01: Genome-wide association study of CSF biomarkers amyloid beta 1-42, tau and tau phosphorylated at threonine 181 in the ADNI cohort. , 2010, 6, S129-S129.		1
126	O3-06-01: Association analysis of candidate SNPs on hippocampal volume and shape in mild cognitive impairment and older adults with cognitive complaints. , 2010, 6, S137-S138.		1

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127	Whole genome association study of brain-wide imaging phenotypes for identifying quantitative trait loci in MCI and AD: A study of the ADNI cohort. NeuroImage, 2010, 53, 1051-1063.	4.2	340
128	Sparse Bayesian Learning for Identifying Imaging Biomarkers in AD Prediction. Lecture Notes in Computer Science, 2010, 13, 611-618.	1.3	21
129	Automatic Prediction of Conversion from Mild Cognitive Impairment to Probable Alzheimer's Disease using Structural Magnetic Resonance Imaging. AMIA Annual Symposium proceedings, 2010, 2010, 542-6.	0.2	8
130	Fourier method for large-scale surface modeling and registration. Computers and Graphics, 2009, 33, 299-311.	2.5	23