

Li Shen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

342
papers

10,818
citations

51
h-index

98
g-index

430
ext. papers

13,151
ext. citations

5.1
avg, IF

5.82
L-index

#	Paper	IF	Citations
342	Common genetic variants influence human subcortical brain structures. <i>Nature</i> , 2015 , 520, 224-9	50.4	601
341	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. <i>Brain Imaging and Behavior</i> , 2014 , 8, 153-82	4.1	539
340	Identification of common variants associated with human hippocampal and intracranial volumes. <i>Nature Genetics</i> , 2012 , 44, 552-61	36.3	498
339	Baseline MRI predictors of conversion from MCI to probable AD in the ADNI cohort. <i>Current Alzheimer Research</i> , 2009 , 6, 347-61	3	408
338	The Alzheimer's Disease Neuroimaging Initiative: a review of papers published since its inception. <i>Alzheimeris and Dementia</i> , 2013 , 9, e111-94	1.2	296
337	Alzheimer's Disease Neuroimaging Initiative biomarkers as quantitative phenotypes: Genetics core aims, progress, and plans. <i>Alzheimeris and Dementia</i> , 2010 , 6, 265-73	1.2	279
336	Whole genome association study of brain-wide imaging phenotypes for identifying quantitative trait loci in MCI and AD: A study of the ADNI cohort. <i>NeuroImage</i> , 2010 , 53, 1051-63	7.9	266
335	2014 Update of the Alzheimer's Disease Neuroimaging Initiative: A review of papers published since its inception. <i>Alzheimeris and Dementia</i> , 2015 , 11, e1-120	1.2	206
334	Pathway analysis of genomic data: concepts, methods, and prospects for future development. <i>Trends in Genetics</i> , 2012 , 28, 323-32	8.5	203
333	A commonly carried allele of the obesity-related FTO gene is associated with reduced brain volume in the healthy elderly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 8404-9	11.5	202
332	Metabolic network failures in Alzheimer's disease: A biochemical road map. <i>Alzheimeris and Dementia</i> , 2017 , 13, 965-984	1.2	201
331	Voxelwise genome-wide association study (vGWAS). <i>NeuroImage</i> , 2010 , 53, 1160-74	7.9	197
330	Longitudinal MRI atrophy biomarkers: relationship to conversion in the ADNI cohort. <i>Neurobiology of Aging</i> , 2010 , 31, 1401-18	5.6	188
329	Novel genetic loci associated with hippocampal volume. <i>Nature Communications</i> , 2017 , 8, 13624	17.4	173
328	Apolipoprotein E (APOE) genotype has dissociable effects on memory and attentional-executive network function in Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 10256-61	11.5	172
327	Genetic studies of quantitative MCI and AD phenotypes in ADNI: Progress, opportunities, and plans. <i>Alzheimeris and Dementia</i> , 2015 , 11, 792-814	1.2	167
326	The genetic architecture of the human cerebral cortex. <i>Science</i> , 2020 , 367,	33.3	156

325	Genome-wide association study of CSF biomarkers Abeta1-42, t-tau, and p-tau181p in the ADNI cohort. <i>Neurology</i> , 2011 , 76, 69-79	6.5	150
324	Novel genetic loci underlying human intracranial volume identified through genome-wide association. <i>Nature Neuroscience</i> , 2016 , 19, 1569-1582	25.5	147
323	APOE and BCHE as modulators of cerebral amyloid deposition: a florbetapir PET genome-wide association study. <i>Molecular Psychiatry</i> , 2014 , 19, 351-7	15.1	145
322	ENIGMA and the individual: Predicting factors that affect the brain in 35 countries worldwide. <i>NeuroImage</i> , 2017 , 145, 389-408	7.9	142
321	Modeling three-dimensional morphological structures using spherical harmonics. <i>Evolution; International Journal of Organic Evolution</i> , 2009 , 63, 1003-16	3.8	138
320	A multi-model deep convolutional neural network for automatic hippocampus segmentation and classification in Alzheimer's disease. <i>NeuroImage</i> , 2020 , 208, 116459	7.9	137
319	Weighted fourier series representation and its application to quantifying the amount of gray matter. <i>IEEE Transactions on Medical Imaging</i> , 2007 , 26, 566-81	11.7	125
318	Genome-wide scan of healthy human connectome discovers SPON1 gene variant influencing dementia severity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 4768-73	11.5	123
317	The tempo and mode of three-dimensional morphological evolution in male reproductive structures. <i>American Naturalist</i> , 2008 , 171, E158-78	3.7	120
316	Genome-wide analysis reveals novel genes influencing temporal lobe structure with relevance to neurodegeneration in Alzheimer's disease. <i>NeuroImage</i> , 2010 , 51, 542-54	7.9	119
315	APOE effect on Alzheimer's disease biomarkers in older adults with significant memory concern. <i>Alzheimeris and Dementia</i> , 2015 , 11, 1417-1429	1.2	116
314	Identifying quantitative trait loci via group-sparse multitask regression and feature selection: an imaging genetics study of the ADNI cohort. <i>Bioinformatics</i> , 2012 , 28, 229-37	7.2	114
313	Genetic analysis of quantitative phenotypes in AD and MCI: imaging, cognition and biomarkers. <i>Brain Imaging and Behavior</i> , 2014 , 8, 183-207	4.1	111
312	Genome-wide association with MRI atrophy measures as a quantitative trait locus for Alzheimer's disease. <i>Molecular Psychiatry</i> , 2011 , 16, 1130-8	15.1	111
311	The role of apolipoprotein E (APOE) genotype in early mild cognitive impairment (E-MCI). <i>Frontiers in Aging Neuroscience</i> , 2013 , 5, 11	5.3	110
310	Network approaches to systems biology analysis of complex disease: integrative methods for multi-omics data. <i>Briefings in Bioinformatics</i> , 2018 , 19, 1370-1381	13.4	106
309	Voxelwise gene-wide association study (vGeneWAS): multivariate gene-based association testing in 731 elderly subjects. <i>NeuroImage</i> , 2011 , 56, 1875-91	7.9	96
308	A large scale multivariate parallel ICA method reveals novel imaging-genetic relationships for Alzheimer's disease in the ADNI cohort. <i>NeuroImage</i> , 2012 , 60, 1608-21	7.9	95

307	Identifying disease sensitive and quantitative trait-relevant biomarkers from multidimensional heterogeneous imaging genetics data via sparse multimodal multitask learning. <i>Bioinformatics</i> , 2012 , 28, i127-36	7.2	90
306	GWAS of longitudinal amyloid accumulation on 18F-florbetapir PET in Alzheimer's disease implicates microglial activation gene IL1RAP. <i>Brain</i> , 2015 , 138, 3076-88	11.2	88
305	The correlated evolution of three-dimensional reproductive structures between male and female damselflies. <i>Evolution; International Journal of Organic Evolution</i> , 2009 , 63, 73-83	3.8	85
304	Spherical mapping for processing of 3D closed surfaces. <i>Image and Vision Computing</i> , 2006 , 24, 743-761	3.7	85
303	Genetic architecture of subcortical brain structures in 38,851 individuals. <i>Nature Genetics</i> , 2019 , 51, 1624-1636	4.6	81
302	Therapeutic effect of subcutaneous injection of low dose recombinant human granulocyte-macrophage colony-stimulating factor on pulmonary alveolar proteinosis. <i>Respiratory Research</i> , 2020 , 21, 1	7.3	77
301	Regional reproducibility of pulsed arterial spin labeling perfusion imaging at 3T. <i>NeuroImage</i> , 2011 , 54, 1188-95	7.9	75
300	Comparison of manual and automated determination of hippocampal volumes in MCI and early AD. <i>Brain Imaging and Behavior</i> , 2010 , 4, 86-95	4.1	69
299	A surface-based approach for classification of 3D neuroanatomic structures. <i>Intelligent Data Analysis</i> , 2004 , 8, 519-542	1.1	68
298	Meta-analysis of cohort studies of baseline prehypertension and risk of coronary heart disease. <i>American Journal of Cardiology</i> , 2013 , 112, 266-71	3	67
297	Structured sparse canonical correlation analysis for brain imaging genetics: an improved GraphNet method. <i>Bioinformatics</i> , 2016 , 32, 1544-51	7.2	66
296	Whole-exome sequencing and imaging genetics identify functional variants for rate of change in hippocampal volume in mild cognitive impairment. <i>Molecular Psychiatry</i> , 2013 , 18, 781-7	15.1	63
295	Sparse Multi-Task Regression and Feature Selection to Identify Brain Imaging Predictors for Memory Performance. <i>Proceedings of the IEEE International Conference on Computer Vision</i> , 2011 , 557-562	3.3	56
294	Genome-wide pathway analysis of memory impairment in the Alzheimer's Disease Neuroimaging Initiative (ADNI) cohort implicates gene candidates, canonical pathways, and networks. <i>Brain Imaging and Behavior</i> , 2012 , 6, 634-48	4.1	55
293	Exosomes from Human Umbilical Cord Mesenchymal Stem Cells: Identification, Purification, and Biological Characteristics. <i>Stem Cells International</i> , 2016 , 2016, 1929536	5	55
292	My 43, a monoclonal antibody that reacts with human myeloid cells inhibits monocyte IgA binding and triggers function. <i>Journal of Immunology</i> , 1989 , 143, 4117-22	5.3	51
291	Voxel and surface-based topography of memory and executive deficits in mild cognitive impairment and Alzheimer's disease. <i>Brain Imaging and Behavior</i> , 2012 , 6, 551-67	4.1	50
290	Multiple loci influencing hippocampal degeneration identified by genome scan. <i>Annals of Neurology</i> , 2012 , 72, 65-75	9.4	50

289	Influence of TSPO genotype on 11C-PBR28 standardized uptake values. <i>Journal of Nuclear Medicine</i> , 2013 , 54, 1320-2	8.9	50
288	Inhibition of human neutrophil degranulation by transforming growth factor-beta1. <i>Clinical and Experimental Immunology</i> , 2007 , 149, 155-61	6.2	49
287	Analysis of copy number variation in Alzheimer's disease: the NIALOAD/ NCRAD Family Study. <i>Current Alzheimer Research</i> , 2012 , 9, 801-14	3	48
286	Identifying AD-sensitive and cognition-relevant imaging biomarkers via joint classification and regression. <i>Lecture Notes in Computer Science</i> , 2011 , 14, 115-23	0.9	47
285	From phenotype to genotype: an association study of longitudinal phenotypic markers to Alzheimer's disease relevant SNPs. <i>Bioinformatics</i> , 2012 , 28, i619-i625	7.2	45
284	Clinical Characteristics of Connective Tissue Disease-Associated Interstitial Lung Disease in 1,044 Chinese Patients. <i>Chest</i> , 2016 , 149, 201-8	5.3	44
283	Development of refractive error in individual children with regressed retinopathy of prematurity 2013 , 54, 6018-24		44
282	Influence of genetic variation on plasma protein levels in older adults using a multi-analyte panel. <i>PLoS ONE</i> , 2013 , 8, e70269	3.7	44
281	Protective variant for hippocampal atrophy identified by whole exome sequencing. <i>Annals of Neurology</i> , 2015 , 77, 547-52	9.4	43
280	Genomic Copy Number Analysis in Alzheimer's Disease and Mild Cognitive Impairment: An ADNI Study. <i>International Journal of Alzheimeris Disease</i> , 2011 , 2011, 729478	3.7	43
279	Association of common genetic variants in GPCPD1 with scaling of visual cortical surface area in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 3985-90	11.5	43
278	Large-Scale Modeling of Parametric Surfaces Using Spherical Harmonics 2006 ,		42
277	Transcriptome-guided amyloid imaging genetic analysis via a novel structured sparse learning algorithm. <i>Bioinformatics</i> , 2014 , 30, i564-71	7.2	41
276	Amyloid pathway-based candidate gene analysis of [(11)C]PiB-PET in the Alzheimer's Disease Neuroimaging Initiative (ADNI) cohort. <i>Brain Imaging and Behavior</i> , 2012 , 6, 1-15	4.1	39
275	Identification of associations between genotypes and longitudinal phenotypes via temporally-constrained group sparse canonical correlation analysis. <i>Bioinformatics</i> , 2017 , 33, i341-i349	7.2	39
274	Improving protein order-disorder classification using charge-hydrophathy plots. <i>BMC Bioinformatics</i> , 2014 , 15 Suppl 17, S4	3.6	38
273	Association of plasma and cortical amyloid beta is modulated by APOE ε status. <i>Alzheimeris and Dementia</i> , 2014 , 10, e9-e18	1.2	35
272	Analysis of copy number variation in Alzheimer's disease in a cohort of clinically characterized and neuropathologically verified individuals. <i>PLoS ONE</i> , 2012 , 7, e50640	3.7	35

271	Identifying Neuroimaging and Proteomic Biomarkers for MCI and AD via the Elastic Net. <i>Lecture Notes in Computer Science</i> , 2011 , 7012, 27-34	0.9	35
270	Multi-modal neuroimaging feature selection with consistent metric constraint for diagnosis of Alzheimer's disease. <i>Medical Image Analysis</i> , 2020 , 60, 101625	15.4	35
269	Identifying the neuroanatomical basis of cognitive impairment in Alzheimer's disease by correlation- and nonlinearity-aware sparse Bayesian learning. <i>IEEE Transactions on Medical Imaging</i> , 2014 , 33, 1475-87	11.7	34
268	Lipopolysaccharide and cytokine augmentation of human monocyte IgA receptor expression and function. <i>Journal of Immunology</i> , 1994 , 152, 4080-6	5.3	34
267	Cortical surface biomarkers for predicting cognitive outcomes using group l2,1 norm. <i>Neurobiology of Aging</i> , 2015 , 36 Suppl 1, S185-93	5.6	33
266	Tea consumption and risk of stroke: a dose-response meta-analysis of prospective studies. <i>Journal of Zhejiang University: Science B</i> , 2012 , 13, 652-62	4.5	33
265	Synergy between IL-8 and GM-CSF in reproductive tract epithelial cell secretions promotes enhanced neutrophil chemotaxis. <i>Cellular Immunology</i> , 2004 , 230, 23-32	4.4	33
264	Brain Imaging Genomics: Integrated Analysis and Machine Learning. <i>Proceedings of the IEEE</i> , 2020 , 108, 125-162	14.3	31
263	A novel structure-aware sparse learning algorithm for brain imaging genetics. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 329-36	0.9	29
262	The interleukin 3 gene (IL3) contributes to human brain volume variation by regulating proliferation and survival of neural progenitors. <i>PLoS ONE</i> , 2012 , 7, e50375	3.7	28
261	Histone demethylase RBP2 promotes malignant progression of gastric cancer through TGF- β -(p-Smad3)-RBP2-E-cadherin-Smad3 feedback circuit. <i>Oncotarget</i> , 2015 , 6, 17661-74	3.3	26
260	Mining Outcome-relevant Brain Imaging Genetic Associations via Three-way Sparse Canonical Correlation Analysis in Alzheimer's Disease. <i>Scientific Reports</i> , 2017 , 7, 44272	4.9	25
259	Identifying progressive imaging genetic patterns via multi-task sparse canonical correlation analysis: a longitudinal study of the ADNI cohort. <i>Bioinformatics</i> , 2019 , 35, i474-i483	7.2	25
258	Parametric surface modeling and registration for comparison of manual and automated segmentation of the hippocampus. <i>Hippocampus</i> , 2009 , 19, 588-95	3.5	25
257	Hippocampal shape analysis: surface-based representation and classification 2003 , 5032, 253		25
256	A novel SCCA approach via truncated ℓ_1 -norm and truncated group lasso for brain imaging genetics. <i>Bioinformatics</i> , 2018 , 34, 278-285	7.2	24
255	Hippocampal volume and shape analysis in an older adult population. <i>Clinical Neuropsychologist</i> , 2007 , 21, 130-45	4.4	24
254	Treatment of cholestatic fibrosis by altering gene expression of Cthrc1: Implications for autoimmune and non-autoimmune liver disease. <i>Journal of Autoimmunity</i> , 2015 , 63, 76-87	15.5	23

253	Surface alignment of 3D spherical harmonic models: application to cardiac MRI analysis. <i>Lecture Notes in Computer Science</i> , 2005 , 8, 67-74	0.9	23
252	Serum Krebs von den Lungen-6 level as a diagnostic biomarker for interstitial lung disease in Chinese patients. <i>Clinical Respiratory Journal</i> , 2017 , 11, 337-345	1.7	22
251	The Role of Infection in Acute Exacerbation of Idiopathic Pulmonary Fibrosis. <i>Mediators of Inflammation</i> , 2019 , 2019, 5160694	4.3	22
250	FASTKD2 is associated with memory and hippocampal structure in older adults. <i>Molecular Psychiatry</i> , 2015 , 20, 1197-204	15.1	22
249	Unaggregated serum IgA binds to neutrophil Fc alpha R at physiological concentrations and is endocytosed but cross-linking is necessary to elicit a respiratory burst. <i>Journal of Leukocyte Biology</i> , 1994 , 56, 481-7	6.5	22
248	Network-based analysis of genetic variants associated with hippocampal volume in Alzheimer's disease: a study of ADNI cohorts. <i>BioData Mining</i> , 2016 , 9, 3	4.3	21
247	Genetic pathway-based hierarchical clustering analysis of older adults with cognitive complaints and amnesic mild cognitive impairment using clinical and neuroimaging phenotypes. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2010 , 153B, 1060-9	3.5	21
246	New algorithms for efficient mining of association rules. <i>Information Sciences</i> , 1999 , 118, 251-268	7.7	21
245	Monocyte superoxide secretion triggered by human IgA. <i>Immunology</i> , 1989 , 68, 491-6	7.8	21
244	Detecting genetic associations with brain imaging phenotypes in Alzheimer's disease via a novel structured SCCA approach. <i>Medical Image Analysis</i> , 2020 , 61, 101656	15.4	20
243	Effect of prenatal alcohol exposure on bony craniofacial development: a mouse MicroCT study. <i>Alcohol</i> , 2013 , 47, 405-15	2.7	20
242	A monoclonal antibody specific for immunoglobulin A receptor triggers polymorphonuclear neutrophil superoxide release. <i>Journal of Leukocyte Biology</i> , 1992 , 51, 373-8	6.5	20
241	High throughput 16SrRNA gene sequencing reveals the correlation between Propionibacterium acnes and sarcoidosis. <i>Respiratory Research</i> , 2017 , 18, 28	7.3	19
240	Hippocampal surface mapping of genetic risk factors in AD via sparse learning models. <i>Lecture Notes in Computer Science</i> , 2011 , 14, 376-83	0.9	19
239	Tissue-specific network-based genome wide study of amygdala imaging phenotypes to identify functional interaction modules. <i>Bioinformatics</i> , 2017 , 33, 3250-3257	7.2	18
238	Helicobacter pylori-induced YAP1 nuclear translocation promotes gastric carcinogenesis by enhancing IL-1 β expression. <i>Cancer Medicine</i> , 2019 , 8, 3965-3980	4.8	18
237	Hippocampal transcriptome-guided genetic analysis of correlated episodic memory phenotypes in Alzheimer's disease. <i>Frontiers in Genetics</i> , 2015 , 6, 117	4.5	18
236	BGnT8 regulates the metastatic potential of colorectal carcinoma cells by altering the glycosylation of CD147. <i>Oncology Reports</i> , 2014 , 31, 1795-801	3.5	18

235	Sparse bayesian learning for identifying imaging biomarkers in AD prediction. <i>Lecture Notes in Computer Science</i> , 2010 , 13, 611-8	0.9	18
234	Association analysis of rare variants near the APOE region with CSF and neuroimaging biomarkers of Alzheimer's disease. <i>BMC Medical Genomics</i> , 2017 , 10, 29	3.7	17
233	Genetic Interactions Explain Variance in Cingulate Amyloid Burden: An AV-45 PET Genome-Wide Association and Interaction Study in the ADNI Cohort. <i>BioMed Research International</i> , 2015 , 2015, 647389		17
232	Glu227-->Lys substitution in the acidic loop of major histocompatibility complex class I alpha 3 domain distinguishes low avidity CD8 coreceptor and avidity-enhanced CD8 accessory functions. <i>Journal of Experimental Medicine</i> , 1996 , 184, 1671-83	16.6	17
231	Targeted genetic analysis of cerebral blood flow imaging phenotypes implicates the INPP5D gene. <i>Neurobiology of Aging</i> , 2019 , 81, 213-221	5.6	16
230	Genome-wide association and interaction studies of CSF T-tau/A β ratio in ADNI cohort. <i>Neurobiology of Aging</i> , 2017 , 57, 247.e1-247.e8	5.6	16
229	A novel surface registration algorithm with biomedical modeling applications. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2007 , 11, 474-82		16
228	Genetic correlations and genome-wide associations of cortical structure in general population samples of 22,824 adults. <i>Nature Communications</i> , 2020 , 11, 4796	17.4	16
227	Higher CSF sTREM2 attenuates ApoE4-related risk for cognitive decline and neurodegeneration. <i>Molecular Neurodegeneration</i> , 2020 , 15, 57	19	16
226	A report of three COVID-19 cases with prolonged viral RNA detection in anal swabs. <i>Clinical Microbiology and Infection</i> , 2020 , 26, 786-787	9.5	16
225	Fourier method for large scale surface modeling and registration. <i>Computers and Graphics</i> , 2009 , 33, 299-311	1.8	15
224	Histone demethylase RBP2 induced by Helicobacter Pylori CagA participates in the malignant transformation of gastric epithelial cells. <i>Oncotarget</i> , 2014 , 5, 5798-807	3.3	15
223	Joint Multi-Modal Longitudinal Regression and Classification for Alzheimer's Disease Prediction. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 1845-1855	11.7	15
222	Identifying significant gene-environment interactions using a combination of screening testing and hierarchical false discovery rate control. <i>Genetic Epidemiology</i> , 2016 , 40, 544-557	2.6	15
221	Histone Chaperone ASF1A Predicts Poor Outcomes for Patients With Gastrointestinal Cancer and Drives Cancer Progression by Stimulating Transcription of β Catenin Target Genes. <i>EBioMedicine</i> , 2017 , 21, 104-116	8.8	14
220	Translational High-Dimensional Drug Interaction Discovery and Validation Using Health Record Databases and Pharmacokinetics Models. <i>Clinical Pharmacology and Therapeutics</i> , 2018 , 103, 287-295	6.1	14
219	Identifying Multimodal Intermediate Phenotypes Between Genetic Risk Factors and Disease Status in Alzheimer's Disease. <i>Neuroinformatics</i> , 2016 , 14, 439-52	3.2	14
218	Stimulator of Interferon Genes Deficiency in Acute Exacerbation of Idiopathic Pulmonary Fibrosis. <i>Frontiers in Immunology</i> , 2017 , 8, 1756	8.4	14

217	Differential regulation of neutrophil chemotaxis to IL-8 and fMLP by GM-CSF: lack of direct effect of oestradiol. <i>Immunology</i> , 2006 , 117, 205-12	7.8	14
216	Differential ability of isolated H-2 Kb subsets to serve as TCR ligands for allo-specific CTL clones: potential role for N-linked glycosylation. <i>Journal of Experimental Medicine</i> , 1995 , 181, 1773-83	16.6	14
215	Lower dietary fibre intake, but not total water consumption, is associated with constipation: a population-based analysis. <i>Journal of Human Nutrition and Dietetics</i> , 2019 , 32, 422-431	3.1	13
214	Recombinant soluble IgA Fc receptor: generation, biochemical characterization, and functional analysis of the recombinant protein. <i>Journal of Leukocyte Biology</i> , 1993 , 53, 223-32	6.5	13
213	GN-SCCA: GraphNet based Sparse Canonical Correlation Analysis for Brain Imaging Genetics. <i>Lecture Notes in Computer Science</i> , 2015 , 9250, 275-284	0.9	12
212	The genetic architecture of the human cerebral cortex		12
211	Graphic Mining of High-Order Drug Interactions and Their Directional Effects on Myopathy Using Electronic Medical Records. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2015 , 4, 481-8	4.5	11
210	A Mixture Dose-Response Model for Identifying High-Dimensional Drug Interaction Effects on Myopathy Using Electronic Medical Record Databases. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2015 , 4, 474-80	4.5	11
209	A new sparse simplex model for brain anatomical and genetic network analysis. <i>Lecture Notes in Computer Science</i> , 2013 , 16, 625-32	0.9	11
208	Preparing next-generation scientists for biomedical big data: artificial intelligence approaches. <i>Personalized Medicine</i> , 2019 , 16, 247-257	2.2	11
207	Genome-wide network-based pathway analysis of CSF t-tau/A β -42 ratio in the ADNI cohort. <i>BMC Genomics</i> , 2017 , 18, 421	4.5	10
206	Efficient Registration of 3D SPHARM Surfaces 2007 ,		10
205	Identifying Associations Between Brain Imaging Phenotypes and Genetic Factors via A Novel Structured SCCA Approach. <i>Lecture Notes in Computer Science</i> , 2017 , 10265, 543-555	0.9	10
204	Mapping longitudinal scientific progress, collaboration and impact of the Alzheimer's disease neuroimaging initiative. <i>PLoS ONE</i> , 2017 , 12, e0186095	3.7	9
203	Two-dimensional enrichment analysis for mining high-level imaging genetic associations. <i>Brain Informatics</i> , 2017 , 4, 27-37	5.9	9
202	Building a Surface Atlas of Hippocampal Subfields from MRI Scans using FreeSurfer, FIRST and SPHARM. <i>Midwest Symposium on Circuits and Systems</i> , 2014 , 2014, 813-816	1	9
201	Cardiac motion analysis to improve pacing site selection in CRT. <i>Academic Radiology</i> , 2006 , 13, 1124-34	4.3	9
200	Genome-wide Network-assisted Association and Enrichment Study of Amyloid Imaging Phenotype in Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2019 , 16, 1163-1174	3	9

199	Multi-Task Sparse Canonical Correlation Analysis with Application to Multi-Modal Brain Imaging Genetics. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2021 , 18, 227-239	3	9
198	Structured sparse CCA for brain imaging genetics via graph OSCAR. <i>BMC Systems Biology</i> , 2016 , 10 Suppl 3, 68	3.5	8
197	Identification of functional variants from whole-exome sequencing, combined with neuroimaging genetics. <i>Molecular Psychiatry</i> , 2013 , 18, 739	15.1	8
196	Associating Multi-Modal Brain Imaging Phenotypes and Genetic Risk Factors via a Dirty Multi-Task Learning Method. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 3416-3428	11.7	8
195	Automatic Prediction of Conversion from Mild Cognitive Impairment to Probable Alzheimer's Disease using Structural Magnetic Resonance Imaging 2010 , 2010, 542-6	0.7	8
194	The effect of reference panels and software tools on genotype imputation 2011 , 2011, 1013-8	0.7	8
193	Mutual amplification of HNF4B and IL-1R1 composes an inflammatory circuit in Helicobacter pylori associated gastric carcinogenesis. <i>Oncotarget</i> , 2016 , 7, 11349-63	3.3	8
192	gene variation and microglial activity on [C]PBR28 PET in older adults at risk for Alzheimer's disease. <i>Lecture Notes in Computer Science</i> , 2013 , 8159, 150-158	0.9	8
191	Longitudinal Genotype-Phenotype Association Study via Temporal Structure Auto-Learning Predictive Model. <i>Lecture Notes in Computer Science</i> , 2017 , 10229, 287-302	0.9	8
190	Regional imaging genetic enrichment analysis. <i>Bioinformatics</i> , 2020 , 36, 2554-2560	7.2	8
189	Identifying diagnosis-specific genotype-phenotype associations via joint multitask sparse canonical correlation analysis and classification. <i>Bioinformatics</i> , 2020 , 36, i371-i379	7.2	8
188	A Unified Model for Joint Normalization and Differential Gene Expression Detection in RNA-Seq Data. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2019 , 16, 442-454	3	8
187	Volumetric comparison of hippocampal subfields extracted from 4-minute accelerated vs. 8-minute high-resolution T2-weighted 3T MRI scans. <i>Brain Imaging and Behavior</i> , 2018 , 12, 1583-1595	4.1	7
186	IDENTIFICATION OF DISCRIMINATIVE IMAGING PROTEOMICS ASSOCIATIONS IN ALZHEIMER'S DISEASE VIA A NOVEL SPARSE CORRELATION MODEL. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2017 , 22, 94-104	1.3	7
185	2007 ,		7
184	Functional analysis of cardiac MR images using SPHARM modeling 2005 ,		7
183	Genetic Determinants of Cortical Structure (Thickness, Surface Area and Volumes) among Disease Free Adults in the CHARGE Consortium		7
182	Incidence and Outcomes of Pneumonia in Patients With Heart Failure. <i>Journal of the American College of Cardiology</i> , 2021 , 77, 1961-1973	15.1	7

181	Fast Multi-Task SCCA Learning with Feature Selection for Multi-Modal Brain Imaging Genetics 2018 , 2018, 356-361	0.8	7
180	Joint High-Order Multi-Task Feature Learning to Predict the Progression of Alzheimer's Disease. <i>Lecture Notes in Computer Science</i> , 2018 , 11070, 555-562	0.9	7
179	A meta-analysis of deep brain structural shape and asymmetry abnormalities in 2,833 individuals with schizophrenia compared with 3,929 healthy volunteers via the ENIGMA Consortium. <i>Human Brain Mapping</i> , 2021 ,	5.9	7
178	Pattern Discovery in Brain Imaging Genetics via SCCA Modeling with a Generic Non-convex Penalty. <i>Scientific Reports</i> , 2017 , 7, 14052	4.9	6
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174	A structural enriched functional network: An application to predict brain cognitive performance. <i>Medical Image Analysis</i> , 2021 , 71, 102026	15.4	6
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172	Longitudinal Genotype-Phenotype Association Study through Temporal Structure Auto-Learning Predictive Model. <i>Journal of Computational Biology</i> , 2018 , 25, 809-824	1.7	5
171	Identifying Candidate Genetic Associations with MRI-Derived AD-Related ROI via Tree-Guided Sparse Learning. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2019 , 16, 1986-1996	3.6	5
170	Computational genetics analysis of grey matter density in Alzheimer's disease. <i>BioData Mining</i> , 2014 , 7, 17	4.3	5
169	A Spatio-Temporal Modeling Method for Shape Representation 2006 ,		5
168	Morphometric Analysis of Brain Structures for Improved Discrimination. <i>Lecture Notes in Computer Science</i> , 2003 , 513-520	0.9	5
167	Multivariate genome wide association and network analysis of subcortical imaging phenotypes in Alzheimer's disease. <i>BMC Genomics</i> , 2020 , 21, 896	4.5	5
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161	Mining Directional Drug Interaction Effects on Myopathy Using the FAERS Database. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019 , 23, 2156-2163	7.2	5
160	Mixture drug-count response model for the high-dimensional drug combinatory effect on myopathy. <i>Statistics in Medicine</i> , 2018 , 37, 673-686	2.3	5
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157	Computed tomography assessment of peripubertal craniofacial morphology in a sheep model of binge alcohol drinking in the first trimester. <i>Alcohol</i> , 2015 , 49, 675-89	2.7	4
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155	The role of visualization and 3-D printing in biological data mining. <i>BioData Mining</i> , 2015 , 8, 22	4.3	4
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152	Shape-based discriminative analysis of combined bilateral hippocampi using multiple object alignment 2004 , 5370, 283		4
151	A combined structural-functional classification of schizophrenia using hippocampal volume plus fMRI activation		4
150	A prediction framework for cardiac resynchronization therapy via 4D cardiac motion analysis. <i>Lecture Notes in Computer Science</i> , 2005 , 8, 704-11	0.9	4
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142	JOINT EXPLORATION AND MINING OF MEMORY-RELEVANT BRAIN ANATOMIC AND CONNECTOMIC PATTERNS VIA A THREE-WAY ASSOCIATION MODEL 2018 , 2018, 6-9	1.5	3
141	DIAGNOSIS STATUS GUIDED BRAIN IMAGING GENETICS VIA INTEGRATED REGRESSION AND SPARSE CANONICAL CORRELATION ANALYSIS 2019 , 2019, 356-359	1.5	3
140	Pattern Discovery from Directional High-Order Drug-Drug Interaction Relations 2017 ,		3
139	Statistical Shape Analysis for Brain Structures 2017 , 351-378		3
138	IC-01-04: Neuroinflammation and amyloid deposition: Concurrent [11C]PBR28 and [11C]PIB PET imaging in patients with Alzheimer's disease, mild cognitive impairment, and older adults with cognitive complaints 2010 , 6, S3-S4		3
137	Multimodal Neuroimaging Predictors for Cognitive Performance Using Structured Sparse Learning. <i>Lecture Notes in Computer Science</i> , 2012 , 1-17	0.9	3
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135	Shape Analysis and Spatio-Temporal Tracking of Mesoscale Eddies in Miami Isopycnic Coordinate Ocean Model 2006 ,		3
134	Principal components analysis of hippocampal shape in schizophrenia. <i>Schizophrenia Research</i> , 2003 , 60, 206	3.6	3
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122	Ion therapy of pulmonary fibrosis by inhalation of ionic solution derived from silicate bioceramics. <i>Bioactive Materials</i> , 2021 , 6, 3194-3206	16.7	3
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118	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		2
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116	Brain explorer for connectomic analysis. <i>Brain Informatics</i> , 2017 , 4, 253-269	5.9	2
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114	Sparse Bayesian multi-task learning for predicting cognitive outcomes from neuroimaging measures in Alzheimer's disease 2012 ,		2
113	FOURIER METHODS FOR 3D SURFACE MODELING AND ANALYSIS. <i>Series in Computer Vision</i> , 2011 , 175-196		2
112	Visual exploration of genetic association with voxel-based imaging phenotypes in an MCI/AD study. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2009 , 2009, 3849-52	0.9	2
111	Three-dimensional Models for Cardiac Bioelectricity Simulation: Cell to Organ. <i>Simulation</i> , 2007 , 83, 321-327		2
110	Hemispherical Harmonic Surface Description and Applications to Medical Image Analysis 2006 ,		2

109	A clustering-based approach for prediction of cardiac resynchronization therapy 2005 ,		2
108	Validation of EuroSCORE II in Chinese Patients Undergoing Coronary Artery Bypass Surgery. <i>Heart Surgery Forum</i> , 2018 , 21, E036-E039	0.7	2
107	Improved Prediction of Cognitive Outcomes via Globally Aligned Imaging Biomarker Enrichments over Progressions. <i>Lecture Notes in Computer Science</i> , 2019 , 140-148	0.9	2
106	A Fast SCCA Algorithm for Big Data Analysis in Brain Imaging Genetics. <i>Lecture Notes in Computer Science</i> , 2017 , 210-219	0.9	2
105	Multiple incomplete views clustering via non-negative matrix factorization with its application in Alzheimer's disease analysis 2018 ,		2
104	A new sulfated triterpene glycoside from the sea cucumber <i>Colochirus quadrangularis</i> , and evaluation of its antifungal, antitumor and immunomodulatory activities. <i>Bioorganic and Medicinal Chemistry</i> , 2021 , 41, 116188	3.4	2
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98	A New Statistical Image Analysis Approach and Its Application to Hippocampal Morphometry. <i>Lecture Notes in Computer Science</i> , 2016 , 9805, 302-310	0.9	1
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96	P1-201: Genetic findings using ADNI multimodal quantitative phenotypes: A 2014 update 2015 , 11, P426-P426		1
95	IMAGING GENOMICS. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2017 , 22, 51-57	1.3	1
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90	Spherical parameterization for 3D surface analysis in volumetric images 2004 ,		1
89	A system framework for the integration and analysis of multi-modal spatiotemporal data streams: a case study in MS lesion analysis		1
88	K-means+ method for improving gene selection for classification of microarray data		1
87	Structural Connectivity Enriched Functional Brain Network using Simplex Regression with GraphNet. <i>Lecture Notes in Computer Science</i> , 2020 , 12436, 292-302	0.9	1
86	Predicting Longitudinal Outcomes of Alzheimer's Disease via a Tensor-Based Joint Classification and Regression Model. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2020 , 25, 7-18	1.3	1
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82	Planar cell polarity pathway and development of the human visual cortex		1
81	Heritability of regional brain volumes in large-scale neuroimaging and genetic studies		1
80	Cognitive biomarker prioritization in Alzheimer's Disease using brain morphometric data. <i>BMC Medical Informatics and Decision Making</i> , 2020 , 20, 319	3.6	1
79	Machine learning in brain imaging genomics 2016 , 411-434		1
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77	New Probabilistic Multi-Graph Decomposition Model to Identify Consistent Human Brain Network Modules. <i>IEEE International Conference on Data Mining</i> , 2016 , 2016, 301-310		1
76	P2-098: Whole Brain Surface-Based Analysis Identified Brain Atrophy Associated with SNPS in FRMD6 Linked to Alzheimer's Disease 2016 , 12, P648-P650		1
75	Prioritization of Cognitive Assessments in Alzheimer's Disease via Learning to Rank using Brain Morphometric Data. <i>IEEE-EMBS International Conference on Biomedical and Health Informatics</i> , 2019 , 2019,	1.9	1
74	Joint between-sample normalization and differential expression detection through ℓ_1 -regularized regression. <i>BMC Bioinformatics</i> , 2019 , 20, 593	3.6	1

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72	Diagnosis of obsessive-compulsive disorder via spatial similarity-aware learning and fused deep polynomial network. <i>Medical Image Analysis</i> , 2021 , 75, 102244	15.4	1
71	Characterizing Heterogeneity in Neuroimaging, Cognition, Clinical Symptoms, and Genetics Among Patients With Late-Life Depression.. <i>JAMA Psychiatry</i> , 2022 ,	14.5	1
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69	Transcriptomic profiles underlying functional brain networks at different stages of Alzheimer's disease. <i>Alzheimeris and Dementia</i> , 2020 , 16, e046163	1.2	0
68	O3-13-04: Genome-wide rare variant analysis identifies candidate genes significantly associated with composite scores for memory 2015 , 11, P251-P252		0
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65	Deep Multiview Learning to Identify Population Structure with Multimodal Imaging 2020 , 2020, 308-314		0
64	White Matter Integrity and Nicotine Dependence: Evaluating Vertical and Horizontal Pleiotropy. <i>Frontiers in Neuroscience</i> , 2021 , 15, 738037	5.1	0
63	A Dirty Multi-task Learning Method for Multi-modal Brain Imaging Genetics. <i>Lecture Notes in Computer Science</i> , 2019 , 447-455	0.9	0
62	Informatics and machine learning methods for health applications. <i>BMC Medical Informatics and Decision Making</i> , 2020 , 20, 342	3.6	0
61	Persistent Feature Analysis of Multimodal Brain Networks Using Generalized Fused Lasso for EMCI Identification. <i>Lecture Notes in Computer Science</i> , 2020 , 12267, 44-52	0.9	0
60	Improved Prediction of Cognitive Outcomes via Globally Aligned Imaging Biomarker Enrichments Over Progressions. <i>IEEE Transactions on Biomedical Engineering</i> , 2021 , 68, 3336-3346	5	0
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- 54 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
- 53 IC-P-177: GENETIC FINDINGS USING ADNI MULTIMODAL QUANTITATIVE PHENOTYPES: A REVIEW OF PAPERS PUBLISHED IN 2013 **2014**, 10, P99-P100
- 52 P1-230: EFFECTS OF NEWLY IDENTIFIED TOP AD CANDIDATE GENES ON MEMORY PERFORMANCE: SNP, GENE, AND EPISTASIS ANALYSES IN ADNI **2014**, 10, P388-P388
- 51 IC-P-174: RARE VARIANT IN PLD3 IS ASSOCIATED WITH ALZHEIMER'S PATTERN OF NEURODEGENERATIVE CHANGES **2014**, 10, P97-P97
- 50 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
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- 48 P1-213: GENOME-WIDE PROTEIN INTERACTION-GUIDED EPISTATIC ANALYSIS ON MEMORY PERFORMANCE: AN ADNI STUDY **2014**, 10, P381-P382
- 47 P3-017: ASSOCIATION ANALYSIS OF RARE VARIANTS NEAR THE APOE REGION WITH CEREBROSPINAL FLUID (CSF) BIOMARKERS OF ALZHEIMER'S DISEASE **2014**, 10, P632-P633
- 46 P1-141: GENETIC FINDINGS USING ADNI MULTIMODAL QUANTITATIVE PHENOTYPES: A REVIEW OF PAPERS PUBLISHED IN 2013 **2014**, 10, P351-P351
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- 44 P4-237: WHOLE GENE-BASED ASSOCIATION OF BASELINE PLASMA HOMOCYSTEINE IN THE ADNI-1 COHORT **2014**, 10, P873-P874
- 43 P3-134: Association of eye disease with increased diffusivity in the sagittal stratum **2015**, 11, P675-P675
- 42 P1-193: Anticholinergic medication use in older adults is associated with memory and hippocampal volume **2015**, 11, P422-P422
- 41 IC-P-035: Effect of hypertension and antihypertensive medication on executive function, brain atrophy, and white matter hyperintensities **2015**, 11, P32-P33
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- 38 IC-O103: Hippocampal transcriptome-guided gene-gene interaction of memory phenotype in MCI and Alzheimer's disease **2013**, 9, P4-P4

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35	[F10204]: INTEGRATING MULTI-MODALITY IMAGING AND MULTI-LAYER -OMICS TO ADVANCE THE SYSTEMS BIOLOGY OF ALZHEIMER'S DISEASE 2017 , 13, P175	
34	0049 SLEEP AND RELATIONSHIP DURING PREGNANCY: ASSOCIATIONS AND MECHANISMS. <i>Sleep</i> , 2017 , 40, A19-A19	1.1
33	IC-P-036: Association of eye disease with increased diffusivity in the sagittal stratum 2015 , 11, P33-P33	
32	O4-05-01: Gwas of longitudinal amyloid PET identifies IL1RAP as a new potential Alzheimer's disease target 2015 , 11, P277-P278	
31	O1-04-04: Effect of hypertension and antihypertensive medication on executive function, brain atrophy, and white matter hyperintensities 2015 , 11, P133-P134	
30	P1-009: The nav2 (neuron navigator 2) gene as a common genetic influence across correlated episodic memory performances 2015 , 11, P339-P340	
29	O4-12-06: The Alzheimer's metabolome: Identification of novel markers and treatment targets 2015 , 11, P301-P302	
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17	Accelerating bioinformatics research with International Conference on Intelligent Biology and Medicine 2020. <i>BMC Bioinformatics</i> , 2020 , 21, 563	3.6
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15	The Stereology and 3D Volume Analyses in Nervous Tissue. <i>Springer Protocols</i> , 2012 , 31-52	0.3
14	O1-12-02: Identification of Discriminative Brain Imaging and Genomic Associations: an Alzheimer's Disease Study 2016 , 12, P205-P206	
13	IC-P-075: The Growth and Impact of ADNI Genetics Publications as Measured by Science Mapping 2016 , 12, P60-P61	
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11	P3-089: Influence of Parkinson's Disease Candidate Genes On Lewy Body Pathology in Autopsy-Confirmed Alzheimer's Disease Cases 2016 , 12, P854-P854	
10	F1-02-02: Genetic Influence on Levels of Targeted Metabolites Associated with Alzheimer's Disease 2016 , 12, P164-P165	
9	P4-344: Volumetric Comparison of Automatically Segmented Hippocampal Subfields From 4-Min Accelerated Versus 8-Min T2-Weighted 3T Mri Scans 2016 , 12, P1167-P1167	
8	IC-P-075: GENETIC FINDINGS USING ADNI MULTIMODAL QUANTITATIVE PHENOTYPES: A 2017 UPDATE 2018 , 14, P66-P67	
7	P2-235: GENETIC FINDINGS USING ADNI MULTIMODAL QUANTITATIVE PHENOTYPES: A 2018 UPDATE 2018 , 14, P760-P761	
6	Bootstrapped Sparse Canonical Correlation Analysis 2018 , 101-117	
5	A Network-Based Framework for Mining High-Level Imaging Genetic Associations 2018 , 119-134	
4	Identifying imaging genetic associations via regional morphometricity estimation. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2022 , 27, 97-108	1.3
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