

# Chuan-Hai Cao

## List of Publications by Year in descending order

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76  
papers

5,668  
citations

87723

38  
h-index

79541

73  
g-index

76  
all docs

76  
docs citations

76  
times ranked

9999  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rare coding variants in PLCG2, ABI3, and TREM2 implicate microglial-mediated innate immunity in Alzheimer's disease. <i>Nature Genetics</i> , 2017, 49, 1373-1384.	9.4	783
2	Common genetic variants in the CLDN2 and PRSS1-PRSS2 loci alter risk for alcohol-related and sporadic pancreatitis. <i>Nature Genetics</i> , 2012, 44, 1349-1354.	9.4	303
3	Caffeine Reverses Cognitive Impairment and Decreases Brain Amyloid- $\beta^2$ Levels in Aged Alzheimer's Disease Mice. <i>Journal of Alzheimer's Disease</i> , 2009, 17, 661-680.	1.2	270
4	A novel Alzheimer disease locus located near the gene encoding tau protein. <i>Molecular Psychiatry</i> , 2016, 21, 108-117.	4.1	260
5	Protection against cognitive deficits and markers of neurodegeneration by long-term oral administration of melatonin in a transgenic model of Alzheimer disease. <i>Journal of Pineal Research</i> , 2009, 47, 82-96.	3.4	224
6	Evidence for a role of the rare p.A152T variant in MAPT in increasing the risk for FTD-spectrum and Alzheimer's diseases. <i>Human Molecular Genetics</i> , 2012, 21, 3500-3512.	1.4	198
7	Electromagnetic Field Treatment Protects Against and Reverses Cognitive Impairment in Alzheimer's Disease Mice. <i>Journal of Alzheimer's Disease</i> , 2010, 19, 191-210.	1.2	189
8	Caffeine Suppresses Amyloid- $\beta^2$ Levels in Plasma and Brain of Alzheimer's Disease Transgenic Mice. <i>Journal of Alzheimer's Disease</i> , 2009, 17, 681-697.	1.2	176
9	Assessment of the genetic variance of late-onset Alzheimer's disease. <i>Neurobiology of Aging</i> , 2016, 41, 200.e13-200.e20.	1.5	174
10	Effects of Multiple Genetic Loci on Age at Onset in Late-Onset Alzheimer Disease. <i>JAMA Neurology</i> , 2014, 71, 1394.	4.5	166
11	Transethnic genome-wide scan identifies novel Alzheimer's disease loci. <i>Alzheimer's and Dementia</i> , 2017, 13, 727-738.	0.4	166
12	Green Tea Epigallocatechin-3-Gallate (EGCG) and Other Flavonoids Reduce Alzheimer's Amyloid-Induced Mitochondrial Dysfunction. <i>Journal of Alzheimer's Disease</i> , 2011, 26, 507-521.	1.2	156
13	Caffeine and Coffee as Therapeutics Against Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2010, 20, S117-S126.	1.2	149
14	Melatonin treatment restores mitochondrial function in Alzheimer's mice: a mitochondrial protective role of melatonin membrane receptor signaling. <i>Journal of Pineal Research</i> , 2011, 51, 75-86.	3.4	147
15	Granulocyte colony stimulating factor decreases brain amyloid burden and reverses cognitive impairment in Alzheimer's mice. <i>Neuroscience</i> , 2009, 163, 55-72.	1.1	144
16	An evidence-based update on the pharmacological activities and possible molecular targets of <i>Lycium barbarum</i> polysaccharides. <i>Drug Design, Development and Therapy</i> , 2015, 9, 33.	2.0	114
17	Herb-Drug Interactions and Mechanistic and Clinical Considerations. <i>Current Drug Metabolism</i> , 2012, 13, 640-651.	0.7	112
18	High Blood Caffeine Levels in MCI Linked to Lack of Progression to Dementia. <i>Journal of Alzheimer's Disease</i> , 2012, 30, 559-572.	1.2	111

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19	Lipo- $\hat{\beta}$ -AApeptides as a New Class of Potent and Broad-Spectrum Antimicrobial Agents. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 4003-4009.	2.9	110
20	$\hat{\alpha}^2$ -specific Th2 cells provide cognitive and pathological benefits to Alzheimer's mice without infiltrating the CNS. <i>Neurobiology of Disease</i> , 2009, 34, 63-70.	2.1	104
21	The Potential Therapeutic Effects of THC on Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2014, 42, 973-984.	1.2	84
22	Long-term electromagnetic field treatment enhances brain mitochondrial function of both Alzheimer's transgenic mice and normal mice: a mechanism for electromagnetic field-induced cognitive benefit?. <i>Neuroscience</i> , 2011, 185, 135-149.	1.1	83
23	Diverse activation of microglia by chemokine (C-C motif) ligand 2 overexpression in brain. <i>Journal of Neuroinflammation</i> , 2013, 10, 86.	3.1	78
24	Non-hemolytic $\hat{\beta}$ -AApeptides as antimicrobial peptidomimetics. <i>Chemical Communications</i> , 2011, 47, 9729.	2.2	71
25	Caffeine increases mitochondrial function and blocks melatonin signaling to mitochondria in Alzheimer's mice and cells. <i>Neuropharmacology</i> , 2012, 63, 1368-1379.	2.0	70
26	Anti-Human $\hat{\beta}$ -Synuclein N-Terminal Peptide Antibody Protects against Dopaminergic Cell Death and Ameliorates Behavioral Deficits in an AAV- $\hat{\beta}$ -Synuclein Rat Model of Parkinson's Disease. <i>PLoS ONE</i> , 2015, 10, e0116841.	1.1	68
27	Caffeine Synergizes with Another Coffee Component to Increase Plasma GCSF: Linkage to Cognitive Benefits in Alzheimer's Mice. <i>Journal of Alzheimer's Disease</i> , 2011, 25, 323-335.	1.2	66
28	Sorafenib inhibits nuclear factor kappa B, decreases inducible nitric oxide synthase and cyclooxygenase-2 expression, and restores working memory in APPswe mice. <i>Neuroscience</i> , 2009, 162, 1220-1231.	1.1	64
29	Lipidated Cyclic $\hat{\beta}$ -AApeptides Display Both Antimicrobial and Anti-inflammatory Activity. <i>ACS Chemical Biology</i> , 2014, 9, 211-217.	1.6	64
30	Helical Antimicrobial Sulfonyl- $\hat{\beta}$ -AApeptides. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 4802-4811.	2.9	63
31	Lipidated Peptidomimetics with Improved Antimicrobial Activity. <i>ACS Medicinal Chemistry Letters</i> , 2012, 3, 683-686.	1.3	60
32	Identification of $\hat{\beta}$ -AApeptides with potent and broad-spectrum antimicrobial activity. <i>Chemical Communications</i> , 2011, 47, 12197.	2.2	54
33	Design and synthesis of unprecedented cyclic $\hat{\beta}$ -AApeptides for antimicrobial development. <i>Chemical Science</i> , 2012, 3, 2570.	3.7	53
34	AApeptides as a new class of antimicrobial agents. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 4283.	1.5	49
35	The Neuroprotective Role of Acupuncture and Activation of the BDNF Signaling Pathway. <i>International Journal of Molecular Sciences</i> , 2014, 15, 3234-3252.	1.8	49
36	Short Antimicrobial Lipo- $\hat{\beta}$ -AA Hybrid Peptides. <i>ChemBioChem</i> , 2014, 15, 2275-2280.	1.3	44

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37	Investigation of antimicrobial PEG-poly(amino acid)s. RSC Advances, 2014, 4, 2089-2095.	1.7	43
38	Improvement of a low pH antigen-antibody dissociation procedure for ELISA measurement of circulating anti-A $\beta$ antibodies. BMC Neuroscience, 2007, 8, 22.	0.8	41
39	Rarity of the Alzheimer Disease "Protective APP A673T Variant in the United States. JAMA Neurology, 2015, 72, 209.	4.5	41
40	Pilot Study of Granulocyte-Colony Stimulating Factor for Treatment of Alzheimer's Disease. Journal of Alzheimer's Disease, 2012, 31, 843-855.	1.2	39
41	Evaluation of an $\beta$ synuclein sensitized dendritic cell based vaccine in a transgenic mouse model of Parkinson disease. Human Vaccines and Immunotherapeutics, 2015, 11, 922-930.	1.4	33
42	Cellular Translocation of a $\beta$ -AApeptide Mimetic of Tat Peptide. Molecular Pharmaceutics, 2012, 9, 1529-1534.	2.3	28
43	Acupuncture-Induced Analgesia: The Role of Microglial Inhibition. Cell Transplantation, 2016, 25, 621-628.	1.2	26
44	A Clinical Trial of Transcranial Electromagnetic Treatment in Alzheimer's Disease: Cognitive Enhancement and Associated Changes in Cerebrospinal Fluid, Blood, and Brain Imaging. Journal of Alzheimer's Disease, 2019, 71, 57-82.	1.2	25
45	The potential of hematopoietic growth factors for treatment of Alzheimer's disease: a mini-review. BMC Neuroscience, 2008, 9, S3.	0.8	20
46	Coffee and caffeine potentiate the anti-amyloidogenic activity of melatonin via inhibition of A $\beta$ oligomerization and modulation of the Tau-mediated pathway in N2a/APP cells. Drug Design, Development and Therapy, 2014, 9, 241.	2.0	18
47	The Development of Antimicrobial $\beta$ -AApeptides that Suppress Proinflammatory Immune Responses. ChemBioChem, 2014, 15, 688-694.	1.3	18
48	Identifying biomarkers of dementia prevalent among amnesic mild cognitively impaired ethnic female patients. Alzheimer's Research and Therapy, 2016, 8, 43.	3.0	18
49	Successful adjuvant-free vaccination of BALB/c mice with mutated amyloid $\beta$ peptides. BMC Neuroscience, 2008, 9, 25.	0.8	17
50	Granulocyte-colony stimulating factor (G-CSF) enhances recovery in mouse model of Parkinson's disease. Neuroscience Letters, 2011, 487, 153-157.	1.0	16
51	Hippocampal Neurogenesis and the Brain Repair Response to Brief Stereotaxic Insertion of a Microneedle. Stem Cells International, 2013, 2013, 1-14.	1.2	15
52	Identifying the Pathological Domain of Alpha-Synuclein as a Therapeutic for Parkinson's Disease. International Journal of Molecular Sciences, 2019, 20, 2338.	1.8	15
53	Arginase 1 Insufficiency Precipitates Amyloid- $\beta$ Deposition and Hastens Behavioral Impairment in a Mouse Model of Amyloidosis. Frontiers in Immunology, 2020, 11, 582998.	2.2	15
54	Mutant Amyloid-beta-sensitized dendritic cells as Alzheimer's disease vaccine. Journal of Neuroimmunology, 2008, 200, 1-10.	1.1	14

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55	Cellular uptake of an $\beta$ -AApeptide. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 1149-1153.	1.5	14
56	COVID-19 Vaccines: Current Conditions and Future Prospects. <i>Biology</i> , 2021, 10, 960.	1.3	14
57	Efficacy of a Therapeutic Vaccine Using Mutated $\beta$ -amyloid Sensitized Dendritic Cells in Alzheimer's Mice. <i>Journal of NeuroImmune Pharmacology</i> , 2012, 7, 640-655.	2.1	13
58	Cell Therapy: A Safe and Efficacious Therapeutic Treatment for Alzheimer's Disease in APP+PS1 Mice. <i>PLoS ONE</i> , 2012, 7, e49468.	1.1	13
59	The Traditional Chinese Medicinal Formula BDL301 Suppresses Tumor Growth by Inhibiting STAT3 Pathway and Inducing Apoptosis in Colorectal Cancer Cells. <i>DNA and Cell Biology</i> , 2015, 34, 178-188.	0.9	10
60	Polymyxin derivatives as broad-spectrum antibiotic agents. <i>Chemical Communications</i> , 2019, 55, 13104-13107.	2.2	10
61	Behavior, protein, and dendritic changes after model traumatic brain injury and treatment with nanocoffee particles. <i>BMC Neuroscience</i> , 2019, 20, 44.	0.8	8
62	An Immunomodulatory Therapeutic Vaccine Targeting Oligomeric Amyloid- $\beta$ . <i>Journal of Alzheimer's Disease</i> , 2020, 77, 1639-1653.	1.2	8
63	Differential effects of chronic immunosuppression on behavioral, epigenetic, and Alzheimer's disease-associated markers in 3xTg-AD mice. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 30.	3.0	7
64	Vaccination induced changes in pro-inflammatory cytokine levels as an early putative biomarker for cognitive improvement in a transgenic mouse model for Alzheimer disease. <i>Human Vaccines and Immunotherapeutics</i> , 2014, 10, 2024-2031.	1.4	6
65	Dimeric $\beta$ -AApeptides With Potent and Selective Antibacterial Activity. <i>Frontiers in Chemistry</i> , 2020, 8, 441.	1.8	6
66	The Association of microRNA-34a With High Incidence and Metastasis of Lung Cancer in Gejiu and Xuanwei Yunnan. <i>Frontiers in Oncology</i> , 2021, 11, 619346.	1.3	6
67	Manual acupuncture at the SJ5 (Waiguan) acupoint shows neuroprotective effects by regulating expression of the anti-apoptotic gene Bcl-2. <i>Neural Regeneration Research</i> , 2016, 11, 305.	1.6	6
68	Using Nonlinear Dynamics and Multivariate Statistics to Analyze EEG Signals of Insomniacs with the Intervention of Superficial Acupuncture. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-13.	0.5	5
69	Polymer-Encapsulated $\beta$ Peptide Fragments as an Oligomeric-Specific Vaccine for Alzheimer's Disease. <i>Journal of Biomedical Nanotechnology</i> , 2016, 12, 1421-1430.	0.5	5
70	Transient Microneedle Insertion into Hippocampus Triggers Neurogenesis and Decreases Amyloid Burden in a Mouse Model of Alzheimer's Disease. <i>Cell Transplantation</i> , 2016, 25, 1853-1861.	1.2	4
71	An Open-Label, Prospective Study Evaluating the Clinical and Immunological Effects of Higher Dose Granulocyte Colony-Stimulating Factor in ALS. <i>Journal of Clinical Neuromuscular Disease</i> , 2020, 21, 127-134.	0.3	4
72	Examining the Toxicity of $\beta$ -Synuclein in Neurodegenerative Disorders. <i>Life</i> , 2021, 11, 1126.	1.1	4

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73	Dendritic and Langerhans cells respond to AÎ² peptides differently: implication for AD immunotherapy. Oncotarget, 2015, 6, 35443-35457.	0.8	3
74	Effects and mechanism of microRNAâ€™218 against lung cancer. Molecular Medicine Reports, 2020, 23, 1-1.	1.1	3
75	Identifiable biomarker and treatment development using HIV-1 long term non-progressor sera. BMC Immunology, 2015, 16, 25.	0.9	1
76	Coffee, Granulocyte Colony-Stimulating Factor (G-CSF), and Neurodegenerative Diseases. , 2015, , 435-442.		0