

# Barbara Shukitt-Hale

## List of Publications by Year in descending order

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Version: 2024-02-01

170  
papers

12,483  
citations

28736

57  
h-index

30277

107  
g-index

175  
all docs

175  
docs citations

175  
times ranked

11618  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reversals of Age-Related Declines in Neuronal Signal Transduction, Cognitive, and Motor Behavioral Deficits with Blueberry, Spinach, or Strawberry Dietary Supplementation. <i>Journal of Neuroscience</i> , 1999, 19, 8114-8121.	1.7	852
2	Anthocyanins in aged blueberry-fed rats are found centrally and may enhance memory. <i>Nutritional Neuroscience</i> , 2005, 8, 111-120.	1.5	482
3	Blueberry Supplementation Improves Memory in Older Adults. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 3996-4000.	2.4	456
4	Effects of caffeine, sleep loss, and stress on cognitive performance and mood during U.S. Navy SEAL training. <i>Psychopharmacology</i> , 2002, 164, 250-261.	1.5	448
5	Blueberry polyphenols increase lifespan and thermotolerance in <i>Caenorhabditis elegans</i> . <i>Aging Cell</i> , 2006, 5, 59-68.	3.0	375
6	Flavonoids and the brain: interactions at the blood-brain barrier and their physiological effects on the central nervous system. <i>Free Radical Biology and Medicine</i> , 2004, 37, 1683-1693.	1.3	302
7	Concord grape juice supplementation improves memory function in older adults with mild cognitive impairment. <i>British Journal of Nutrition</i> , 2010, 103, 730-734.	1.2	302
8	Reversing the deleterious effects of aging on neuronal communication and behavior: beneficial properties of fruit polyphenolic compounds. <i>American Journal of Clinical Nutrition</i> , 2005, 81, 313S-316S.	2.2	294
9	Modulation of Hippocampal Plasticity and Cognitive Behavior by Short-term Blueberry Supplementation in Aged Rats. <i>Nutritional Neuroscience</i> , 2004, 7, 309-316.	1.5	272
10	Antioxidant-rich diets improve cerebellar physiology and motor learning in aged rats. <i>Brain Research</i> , 2000, 866, 211-217.	1.1	262
11	Neurobehavioral aspects of antioxidants in aging. <i>International Journal of Developmental Neuroscience</i> , 2000, 18, 367-381.	0.7	202
12	Blueberry Supplemented Diet: Effects on Object Recognition Memory and Nuclear Factor-kappa B Levels in Aged Rats. <i>Nutritional Neuroscience</i> , 2004, 7, 75-83.	1.5	196
13	Low-dose pterostilbene, but not resveratrol, is a potent neuromodulator in aging and Alzheimer's disease. <i>Neurobiology of Aging</i> , 2012, 33, 2062-2071.	1.5	195
14	Berry Fruit Supplementation and the Aging Brain. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 636-641.	2.4	191
15	Copernicus revisited: amyloid beta in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2001, 22, 131-146.	1.5	190
16	The beneficial effects of fruit polyphenols on brain aging. <i>Neurobiology of Aging</i> , 2005, 26, 128-132.	1.5	190
17	BHT Blocks NF- $\kappa$ B activation and Ethanol-Induced Brain Damage. <i>Alcoholism: Clinical and Experimental Research</i> , 2006, 30, 1938-1949.	1.4	179
18	Effects of Concord grape juice on cognitive and motor deficits in aging. <i>Nutrition</i> , 2006, 22, 295-302.	1.1	178

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19	Anthocyanin-rich AÃ§ai (Euterpe oleracea Mart.) Fruit Pulp Fractions Attenuate Inflammatory Stress Signaling in Mouse Brain BV-2 Microglial Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 1084-1093.	2.4	178
20	Fruit Polyphenolics and Brain Aging. <i>Annals of the New York Academy of Sciences</i> , 2002, 959, 128-132.	1.8	164
21	Grape Juice, Berries, and Walnuts Affect Brain Aging and Behavior. <i>Journal of Nutrition</i> , 2009, 139, 1813S-1817S.	1.3	163
22	B-vitamin deficiency causes hyperhomocysteinemia and vascular cognitive impairment in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 12474-12479.	3.3	161
23	Nutritional Factors Affecting Adult Neurogenesis and Cognitive Function. <i>Advances in Nutrition</i> , 2017, 8, 804-811.	2.9	161
24	Food for thought: how nutrition impacts cognition and emotion. <i>Npj Science of Food</i> , 2017, 1, 7.	2.5	154
25	Beneficial effects of fruit extracts on neuronal function and behavior in a rodent model of accelerated aging. <i>Neurobiology of Aging</i> , 2007, 28, 1187-1194.	1.5	144
26	Effects of blackberries on motor and cognitive function in aged rats. <i>Nutritional Neuroscience</i> , 2009, 12, 135-140.	1.5	144
27	Spatial Learning and Memory Deficits Induced by Exposure to Iron-56-Particle Radiation. <i>Radiation Research</i> , 2000, 154, 28-33.	0.7	141
28	Psychomotor and spatial memory performance in aging male Fischer 344 rats. <i>Experimental Gerontology</i> , 1998, 33, 615-624.	1.2	140
29	Effects of Altitude on Mood, Behaviour and Cognitive Functioning. <i>Sports Medicine</i> , 1993, 16, 97-125.	3.1	133
30	Short-Term Dietary Supplementation of Blueberry Polyphenolics: Beneficial Effects on Aging Brain Performance and Peripheral Tissue Function. <i>Nutritional Neuroscience</i> , 2000, 3, 383-397.	1.5	129
31	Blueberry polyphenols attenuate kainic acid-induced decrements in cognition and alter inflammatory gene expression in rat hippocampus. <i>Nutritional Neuroscience</i> , 2008, 11, 172-182.	1.5	120
32	Cellular and Behavioral Effects of Stilbene Resveratrol Analogues: Implications for Reducing the Deleterious Effects of Aging. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 10544-10551.	2.4	119
33	Dietary blueberry improves cognition among older adults in a randomized, double-blind, placebo-controlled trial. <i>European Journal of Nutrition</i> , 2018, 57, 1169-1180.	1.8	114
34	Effect of age on the radial arm water maze—a test of spatial learning and memory. <i>Neurobiology of Aging</i> , 2004, 25, 223-229.	1.5	112
35	A blueberry-enriched diet provides cellular protection against oxidative stress and reduces a kainate-induced learning impairment in rats. <i>Neurobiology of Aging</i> , 2008, 29, 1680-1689.	1.5	110
36	Berry Fruit Enhances Beneficial Signaling in the Brain. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 5709-5715.	2.4	105

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37	Blueberry supplemented diet reverses age-related decline in hippocampal HSP70 neuroprotection. <i>Neurobiology of Aging</i> , 2006, 27, 344-350.	1.5	101
38	Fruit Polyphenols and Their Effects on Neuronal Signaling and Behavior in Senescence. <i>Annals of the New York Academy of Sciences</i> , 2007, 1100, 470-485.	1.8	95
39	Role of Walnuts in Maintaining Brain Health with Age. <i>Journal of Nutrition</i> , 2014, 144, 561S-566S.	1.3	94
40	Modulation of cognition and behavior in aged animals: role for antioxidant- and essential fatty acid-rich plant foods. <i>American Journal of Clinical Nutrition</i> , 2009, 89, 1602S-1606S.	2.2	93
41	Elevation-Dependent Symptom, Mood, and Performance Changes Produced by Exposure to Hypobaric Hypoxia. <i>The International Journal of Aviation Psychology</i> , 1998, 8, 319-334.	0.7	92
42	Dose-dependent effects of walnuts on motor and cognitive function in aged rats. <i>British Journal of Nutrition</i> , 2009, 101, 1140-1144.	1.2	90
43	Nutritional Intervention in Brain Aging. <i>Sub-Cellular Biochemistry</i> , 2007, , 299-318.	1.0	89
44	The beneficial effects of berries on cognition, motor behaviour and neuronal function in ageing. <i>British Journal of Nutrition</i> , 2015, 114, 1542-1549.	1.2	82
45	Hypobaric hypoxia impairs spatial memory in an elevation-dependent fashion. <i>Behavioral and Neural Biology</i> , 1994, 62, 244-252.	2.3	79
46	Dietary supplementation with fruit polyphenolics ameliorates age-related deficits in behavior and neuronal markers of inflammation and oxidative stress. <i>Age</i> , 2005, 27, 49-57.	3.0	78
47	Effects of aging on cerebellar noradrenergic function and motor learning: nutritional interventions. <i>Mechanisms of Ageing and Development</i> , 1999, 111, 141-154.	2.2	77
48	Recent advances in berry supplementation and age-related cognitive decline. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2009, 12, 91-94.	1.3	77
49	Effects of pterostilbene and resveratrol on brain and behavior. <i>Neurochemistry International</i> , 2015, 89, 227-233.	1.9	75
50	A Blueberry-Enriched Diet Attenuates Nephropathy in a Rat Model of Hypertension via Reduction in Oxidative Stress. <i>PLoS ONE</i> , 2011, 6, e24028.	1.1	75
51	AGE-RELATED NEURODEGENERATION AND OXIDATIVE STRESS. <i>Neurologic Clinics</i> , 1998, 16, 747-755.	0.8	74
52	Cognitive Impairment in Folate-Deficient Rats Corresponds to Depleted Brain Phosphatidylcholine and Is Prevented by Dietary Methionine without Lowering Plasma Homocysteine. <i>Journal of Nutrition</i> , 2008, 138, 2502-2509.	1.3	73
53	Exposure to <sup>16</sup> O-Particle Radiation Causes Aging-Like Decrements in Rats through Increased Oxidative Stress, Inflammation and Loss of Autophagy. <i>Radiation Research</i> , 2011, 176, 761-769.	0.7	72
54	Nimodipine improves spatial working memory and elevates hippocampal acetylcholine in young rats. <i>Pharmacology Biochemistry and Behavior</i> , 1991, 39, 781-786.	1.3	68

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55	The effects of aging and oxidative stress on psychomotor and cognitive behavior. <i>Age</i> , 1999, 22, 9-17.	3.0	66
56	Short-term blueberry-enriched diet prevents and reverses object recognition memory loss in aging rats. <i>Nutrition</i> , 2011, 27, 338-342.	1.1	65
57	Fetal protein malnutrition impairs acquisition of a DRL task in adult rats. <i>Physiology and Behavior</i> , 1990, 48, 73-77.	1.0	58
58	Roles of Vitamins E and C on Neurodegenerative Diseases and Cognitive Performance. <i>Nutrition Reviews</i> , 2002, 60, 308-326.	2.6	57
59	Metabolic fate of strawberry polyphenols after chronic intake in healthy older adults. <i>Food and Function</i> , 2018, 9, 96-106.	2.1	57
60	Effect of vitamin E intake on levels of vitamins E and C in the central nervous system and peripheral tissues: implications for health recommendations. <i>Brain Research</i> , 1999, 845, 50-59.	1.1	56
61	Cognition: the new frontier for nuts and berries. <i>American Journal of Clinical Nutrition</i> , 2014, 100, 347S-352S.	2.2	56
62	Dietary polyunsaturated fatty acids improve cholinergic transmission in the aged brain. <i>Genes and Nutrition</i> , 2009, 4, 309-314.	1.2	55
63	Walnut diet reduces accumulation of polyubiquitinated proteins and inflammation in the brain of aged rats. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 912-919.	1.9	55
64	Effects of Exposure to <sup>56</sup> Fe Particles or Protons on Fixed-ratio Operant Responding in Rats. <i>Journal of Radiation Research</i> , 2002, 43, S225-S228.	0.8	54
65	Blueberry-Enriched Diet Protects Rat Heart from Ischemic Damage. <i>PLoS ONE</i> , 2009, 4, e5954.	1.1	54
66	Effects of age and diet on the heavy particle-induced disruption of operant responding produced by a ground-based model for exposure to cosmic rays. <i>Brain Research</i> , 2005, 1036, 122-129.	1.1	53
67	Modulation of oxidative stress, inflammation, autophagy and expression of Nrf2 in hippocampus and frontal cortex of rats fed with aÅsaÅ-enriched diets. <i>Nutritional Neuroscience</i> , 2017, 20, 305-315.	1.5	51
68	The ability of walnut extract and fatty acids to protect against the deleterious effects of oxidative stress and inflammation in hippocampal cells. <i>Nutritional Neuroscience</i> , 2013, 16, 13-20.	1.5	50
69	Blueberry Supplementation Improves Memory in Middle-Aged Mice Fed a High-Fat Diet. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 3972-3978.	2.4	50
70	A Longitudinal Study of Operant Responding in Rats Irradiated when 2 Months Old. <i>Radiation Research</i> , 2005, 164, 552-555.	0.7	48
71	Plum juice, but not dried plum powder, is effective in mitigating cognitive deficits in aged rats. <i>Nutrition</i> , 2009, 25, 567-573.	1.1	48
72	Comparison of the Effects of Partial- or Whole-Body Exposures to <sup>16</sup> O Particles on Cognitive Performance in Rats. <i>Radiation Research</i> , 2014, 181, 251-257.	0.7	48

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73	Healthy Aging Nutrition Matters: Start Early and Screen Often. <i>Advances in Nutrition</i> , 2021, 12, 1438-1448.	2.9	47
74	Spatial Learning and Memory Deficits Induced by Dopamine Administration with Decreased Glutathione. <i>Free Radical Biology and Medicine</i> , 1998, 24, 1149-1158.	1.3	46
75	Differential Protection among Fractionated Blueberry Polyphenolic Families against DA-, A $\beta$ <sup>2</sup> - and LPS-Induced Decrements in Ca <sup>2+</sup> Buffering in Primary Hippocampal Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 8196-8204.	2.4	46
76	Protective effects of blueberry- and strawberry diets on neuronal stress following exposure to 56Fe particles. <i>Brain Research</i> , 2014, 1593, 9-18.	1.1	45
77	Role of fruits, nuts, and vegetables in maintaining cognitive health. <i>Experimental Gerontology</i> , 2017, 94, 24-28.	1.2	45
78	Coffee, but not caffeine, has positive effects on cognition and psychomotor behavior in aging. <i>Age</i> , 2013, 35, 2183-2192.	3.0	44
79	Stilbenes and Anthocyanins Reduce Stress Signaling in BV-2 Mouse Microglia. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 5979-5986.	2.4	44
80	Hyperoxia-induced changes in antioxidant capacity and the effect of dietary antioxidants. <i>Journal of Applied Physiology</i> , 1999, 86, 1817-1822.	1.2	43
81	Dopamine neurotoxicity: age-dependent behavioral and histological effects. <i>Neurobiology of Aging</i> , 2003, 24, 697-706.	1.5	42
82	Beneficial effects of berry fruit polyphenols on neuronal and behavioral aging. <i>Journal of the Science of Food and Agriculture</i> , 2006, 86, 2251-2255.	1.7	42
83	Relative effectiveness of different particles and energies in disrupting behavioral performance. <i>Radiation and Environmental Biophysics</i> , 2007, 46, 173-177.	0.6	42
84	Operant responding following exposure to HZE particles and its relationship to particle energy and linear energy transfer. <i>Advances in Space Research</i> , 2011, 48, 370-377.	1.2	41
85	Prenatal protein malnutrition alters response to reward in adult rats. <i>Physiology and Behavior</i> , 1990, 48, 675-680.	1.0	40
86	Hippocampal neurogenesis and PSA-NCAM expression following exposure to Fe particles mimics that seen during aging in rats. <i>Experimental Gerontology</i> , 2005, 40, 249-254.	1.2	39
87	Blueberries and Neuronal Aging. <i>Gerontology</i> , 2012, 58, 518-523.	1.4	39
88	Acute Effects of Exposure to 56Fe and 16O Particles on Learning and Memory. <i>Radiation Research</i> , 2015, 184, 143-150.	0.7	39
89	Restoration of stressor-induced calcium dysregulation and autophagy inhibition by polyphenol-rich a $\beta$ (Euterpe spp.) fruit pulp extracts in rodent brain cells in vitro. <i>Nutrition</i> , 2014, 30, 853-862.	1.1	38
90	Dietary supplementation with the polyphenol-rich a $\beta$ -pulp (Euterpe oleracea Mart. and Euterpe) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 microglial cells. <i>Nutritional Neuroscience</i> , 2017, 20, 238-245.	1.5	38

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91	Effect of age on object exploration, habituation, and response to spatial and nonspatial change.. Behavioral Neuroscience, 2001, 115, 1059-1064.	0.6	36
92	Effects of heavy particle irradiation and diet on object recognition memory in rats. Advances in Space Research, 2009, 43, 1193-1199.	1.2	36
93	Protective Effects of Foods Containing Flavonoids on Age-Related Cognitive Decline. Current Nutrition Reports, 2018, 7, 39-48.	2.1	35
94	Spatial memory under acute cold and restraint stress. Physiology and Behavior, 1998, 64, 605-609.	1.0	34
95	Qualitative versus quantitative caloric intake: are they equivalent paths to successful aging?. Neurobiology of Aging, 2002, 23, 747-769.	1.5	34
96	Tyrosine improves behavioral and neurochemical deficits caused by cold exposure. Physiology and Behavior, 2001, 72, 311-316.	1.0	33
97	Effects of M2 antagonists on in vivo hippocampal acetylcholine levels. Brain Research Bulletin, 1996, 41, 221-226.	1.4	29
98	Automated measurement of age-related changes in the locomotor response to environmental novelty and home-cage activity. Mechanisms of Ageing and Development, 2001, 122, 1887-1897.	2.2	29
99	Dietary supplementation with blueberry extract improves survival of transplanted dopamine neurons. Nutritional Neuroscience, 2006, 9, 251-258.	1.5	29
100	Improving brain signaling in aging: could berries be the answer?. Expert Review of Neurotherapeutics, 2012, 12, 887-889.	1.4	29
101	Tart Cherry Extracts Reduce Inflammatory and Oxidative Stress Signaling in Microglial Cells. Antioxidants, 2016, 5, 33.	2.2	28
102	Survival and Cardioprotective Benefits of Long-Term Blueberry Enriched Diet in Dilated Cardiomyopathy Following Myocardial Infarction in Rats. PLoS ONE, 2009, 4, e7975.	1.1	28
103	Changes in Gene Expression in the Rat Hippocampus Following Exposure to <sup>56</sup> Fe Particles and Protection by Berry Diets. Central Nervous System Agents in Medicinal Chemistry, 2013, 13, 36-42.	0.5	27
104	Blueberry supplementation attenuates microglia activation and increases neuroplasticity in mice consuming a high-fat diet. Nutritional Neuroscience, 2019, 22, 253-263.	1.5	27
105	Blueberry phenolics are associated with cognitive enhancement in supplemented healthy older adults. Food and Function, 2021, 12, 107-118.	2.1	27
106	A Clinically Relevant Frailty Index for Aging Rats. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, 892-896.	1.7	26
107	Nimodipine prevents the in vivo decrease in hippocampal extracellular acetylcholine produced by hypobaric hypoxia. Brain Research, 1993, 621, 291-295.	1.1	25
108	Elevation of hippocampal extracellular acetylcholine levels by methoctramine. Brain Research Bulletin, 1993, 32, 385-389.	1.4	25

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109	Comparison of the Effectiveness of Exposure to Low-LET Helium Particles ( <sup>4</sup> He) and Gamma Rays ( <sup>137</sup> Cs) on the Disruption of Cognitive Performance. <i>Radiation Research</i> , 2015, 184, 266-272.	0.7	25
110	Effects of Age on the Disruption of Cognitive Performance by Exposure to Space Radiation. <i>Journal of Behavioral and Brain Science</i> , 2014, 04, 297-307.	0.2	25
111	Psychomotor Effects of Dopamine Infusion Under Decreased Glutathione Conditions. <i>Free Radical Biology and Medicine</i> , 1997, 23, 412-418.	1.3	24
112	Effects of heavy particle irradiation and diet on amphetamine- and lithium chloride-induced taste avoidance learning in rats. <i>Brain Research</i> , 2002, 953, 31-36.	1.1	24
113	The cognitive impact of nutritional homocysteinemia in Apolipoprotein-E deficient mice. <i>Journal of Alzheimer's Disease</i> , 2006, 9, 381-392.	1.2	24
114	Interaction between age of irradiation and age of testing in the disruption of operant performance using a ground-based model for exposure to cosmic rays. <i>Age</i> , 2012, 34, 121-131.	3.0	24
115	The effects of blueberry and strawberry serum metabolites on age-related oxidative and inflammatory signaling in vitro. <i>Food and Function</i> , 2019, 10, 7707-7713.	2.1	24
116	Effects of 30 Days of Undernutrition on Reaction Time, Moods, and Symptoms11The views, opinions, and/or findings contained in this report are those of the authors and should not be construed as an official Department of the Army position, policy, or decision, unless so designated by other official documentation.. <i>Physiology and Behavior</i> , 1997, 62, 783-789.	1.0	23
117	Exposure to <sup>56</sup> Fe irradiation accelerates normal brain aging and produces deficits in spatial learning and memory. <i>Advances in Space Research</i> , 2007, 39, 1087-1092.	1.2	23
118	Neurochemical differences in learning and memory paradigms among rats supplemented with anthocyanin-rich blueberry diets and exposed to acute doses of <sup>56</sup> Fe particles. <i>Life Sciences in Space Research</i> , 2017, 12, 16-23.	1.2	23
119	Prenatal protein malnutrition impairs visual discrimination learning in adult rats. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 1991, 19, 247-250.	1.2	23
120	Elevated plus-maze performance of Fischer-344 rats as a function of age and of exposure to <sup>56</sup> Fe particles. <i>Advances in Space Research</i> , 2007, 39, 981-986.	1.2	22
121	Serum metabolites from walnut-fed aged rats attenuate stress-induced neurotoxicity in BV-2 microglial cells. <i>Nutritional Neuroscience</i> , 2017, 20, 103-109.	1.5	22
122	The beneficial effects of tree nuts on the aging brain. <i>Nutrition and Aging (Amsterdam, Netherlands)</i> , 2012, 1, 55-67.	0.3	21
123	Tart cherry supplementation improves working memory, hippocampal inflammation, and autophagy in aged rats. <i>Age</i> , 2016, 38, 393-404.	3.0	19
124	Effect of diet on the disruption of operant responding at different ages following exposure to <sup>56</sup> Fe particles. <i>Age</i> , 2005, 27, 69-73.	3.0	18
125	Walnut-Associated Fatty Acids Inhibit LPS-Induced Activation of BV-2 Microglia. <i>Inflammation</i> , 2020, 43, 241-250.	1.7	18
126	Daily supplementation with mushroom ( <i>Agaricus bisporus</i> ) improves balance and working memory in aged rats. <i>Nutrition Research</i> , 2015, 35, 1079-1084.	1.3	16



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127	Lack of reliability in the disruption of cognitive performance following exposure to protons. <i>Radiation and Environmental Biophysics</i> , 2015, 54, 285-295.	0.6	15
128	Effects of 30 days of undernutrition on plasma neurotransmitter precursors, other amino acids, and behavior. <i>Journal of Nutritional Biochemistry</i> , 1997, 8, 119-126.	1.9	14
129	Short-term nutritional folate deficiency in rats has a greater effect on choline and acetylcholine metabolism in the peripheral nervous system than in the brain, and this effect escalates with age. <i>Nutrition Research</i> , 2010, 30, 722-730.	1.3	14
130	Preserving Brain Function in Aging: The Anti-glycative Potential of Berry Fruit. <i>NeuroMolecular Medicine</i> , 2016, 18, 465-473.	1.8	14
131	Walnut extract modulates activation of microglia through alteration in intracellular calcium concentration. <i>Nutrition Research</i> , 2018, 49, 88-95.	1.3	14
132	Red raspberries can improve motor function in aged rats. <i>Journal of Berry Research</i> , 2016, 6, 97-103.	0.7	13
133	Age as a factor in the responsiveness of the organism to the disruption of cognitive performance by exposure to HZE particles differing in linear energy transfer. <i>Life Sciences in Space Research</i> , 2018, 16, 84-92.	1.2	13
134	In Vivo Hippocampal Acetylcholine Release During Exposure to Acute Stress. <i>Stress</i> , 1997, 1, 191-199.	0.8	12
135	Aging modifies brain region-specific vulnerability to experimental oxidative stress induced by low dose hydrogen peroxide. <i>Age</i> , 2007, 29, 191-203.	3.0	12
136	Effects of exposure to <sup>12</sup> C and <sup>4</sup> He particles on cognitive performance of intact and ovariectomized female rats. <i>Life Sciences in Space Research</i> , 2019, 22, 47-54.	1.2	12
137	Effects of head-only or whole-body exposure to very low doses of <sup>4</sup> He (1000 $\hat{A}$ MeV/n) particles on neuronal function and cognitive performance. <i>Life Sciences in Space Research</i> , 2019, 20, 85-92.	1.2	12
138	Amphetamine-induced taste aversion learning in young and old F-344 rats following exposure to <sup>56</sup> Fe particles. <i>Age</i> , 2007, 29, 69-76.	3.0	10
139	Dietary strawberry improves cognition in a randomised, double-blind, placebo-controlled trial in older adults. <i>British Journal of Nutrition</i> , 2021, 126, 253-263.	1.2	10
140	Influence of Photoperiod, Laboratory Caging and Aging on Plasma Lipid Response to an Atherogenic Diet Among FIB Hamsters. <i>International Journal of Neuroscience</i> , 2001, 106, 185-194.	0.8	9
141	Cerebral Blood Volume and Vasodilation are Independently Diminished by Aging and Hypertension: A Near Infrared Spectroscopy Study. <i>Journal of Alzheimer's Disease</i> , 2014, 42, S189-S198.	1.2	8
142	A voyage to Mars: Space radiation, aging, and nutrition. <i>Nutrition and Aging (Amsterdam, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td</i>	0.3	8
143	Modeling space radiation induced cognitive dysfunction using targeted and non-targeted effects. <i>Scientific Reports</i> , 2021, 11, 8845.	1.6	8
144	Interaction between age and exposure to <sup>56</sup> Fe particles on behavior and neurochemistry. <i>Advances in Space Research</i> , 2007, 39, 987-993.	1.2	7

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145	Raspberry differentially improves age-related declines in psychomotor function dependent on baseline motor ability. <i>Food and Function</i> , 2017, 8, 4752-4759.	2.1	7
146	Effects of partial- or whole-body exposures to <sup>56</sup> Fe particles on brain function and cognitive performance in rats. <i>Life Sciences in Space Research</i> , 2020, 27, 56-63.	1.2	7
147	Advances in berry research: The sixth Biennial Berry Health Benefits Symposium1. <i>Journal of Berry Research</i> , 2016, 6, 93-95.	0.7	6
148	Blueberries Improve Neuroinflammation and Cognition differentially Depending on Individual Cognitive baseline Status. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 977-983.	1.7	6
149	Nutrition in aging and disease: update on biological sciences. <i>Aging Health</i> , 2012, 8, 13-16.	0.3	3
150	Mobility and cognition: End points for dietary interventions in aging. <i>Nutrition and Aging</i> (Amsterdam, Netherlands), 2014, 2, 213-222.	0.3	3
151	Metabolic Fate of Blueberry Anthocyanins after Chronic Supplementation in Healthy Older Adults. <i>FASEB Journal</i> , 2017, 31, 646.20.	0.2	3
152	Blueberry treatment administered before and/or after lipopolysaccharide stimulation attenuates inflammation and oxidative stress in rat microglial cells. <i>Nutritional Neuroscience</i> , 2023, 26, 127-137.	1.5	3
153	Functional Role of Walnuts and Añsañ-Fruits on Brain Health. <i>ACS Symposium Series</i> , 2013, , 171-187.	0.5	2
154	Age-Related Neuronal and Behavioral Deficits are Improved by Polyphenol-Rich Blueberry Supplementation. <i>Oxidative Stress and Disease</i> , 2005, , 373-393.	0.3	2
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