Enhancing and regulating neurite outgrowth

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Critical Reviews in Toxicology, 2008, 38, 391-418.

#	Paper	IF	Citations
42	Dose-response features of neuroprotective agents: an integrative summary. *Critical Reviews in Toxicology*, **2008**, 38, 253-348	5.7	36
41	Neuritogenic actions of botulinum neurotoxin A on cultured motor neurons. *Journal of Pharmacology and Experimental Therapeutics*, **2009**, 330, 352-8	4.7	29
40	Hormesis, non-linearity, and risk communication. *Human and Experimental Toxicology*, **2009**, 28, 5-6	3.4	3
39	Getting the dose-response wrong: why hormesis became marginalized and the threshold model accepted. *Archives of Toxicology*, **2009**, 83, 227-47	5.8	100
38	Angelica injection improves functional recovery and motoneuron maintenance with increased expression of brain derived neurotrophic factor and nerve growth factor. *Current Neurovascular Research*, **2009**, 6, 117-23	1.8	9
37	Cellular stress responses, the hormesis paradigm, and vitagenes: novel targets for therapeutic intervention in neurodegenerative disorders. *Antioxidants and Redox Signaling*, **2010**, 13, 1763-811	8.4	434
36	Hormesis is central to toxicology, pharmacology and risk assessment. *Human and Experimental Toxicology*, **2010**, 29, 249-61	3.4	182
35	Visfatin induces neurite outgrowth in PC12 cells via ERK1/2 signaling pathway. *Neuroscience Letters* , **2011**, 504, 121-126	3.3	20
34	Hormesis provides a generalized quantitative estimate of biological plasticity. *Journal of Cell Communication and Signaling*, **2011**, 5, 25-38	5.2	152
33	Microprinted feeder cells guide embryonic stem cell fate. *Biotechnology and Bioengineering*, **2011**, 108, 2509-16	4.9	35
32	Morphological assessment of neurite outgrowth in hippocampal neuron-astrocyte co-cultures. *Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]*, **2012**, Chapter 11, Unit 11.16.	1	4
31	Molecular, Clinical and Environmental Toxicology. *Exs*, **2012**,		62
30	The serotonin receptor 7 promotes neurite outgrowth via ERK and Cdk5 signaling pathways. *Neuropharmacology*, **2013**, 67, 155-67	5.5	56
29	Painful, degenerating intervertebral discs up-regulate neurite sprouting and CGRP through nociceptive factors. *Journal of Cellular and Molecular Medicine*, **2014**, 18, 1213-25	5.6	89
28	Heat shock proteins and hormesis in the diagnosis and treatment of neurodegenerative diseases. *Immunity and Ageing*, **2015**, 12, 20	9.7	79
27	Double-blind, placebo-controlled study of HGF gene therapy in diabetic neuropathy. *Annals of Clinical and Translational Neurology*, **2015**, 2, 465-78	5.3	51
26	Hormesis, cellular stress response, and redox homeostasis in autism spectrum disorders. *Journal of Neuroscience Research*, **2016**, 94, 1488-1498	4.4	30

25	Synthesis of (-)-11-O-Debenzoyltashironin: Neurotrophic Sesquiterpenes Cause Hyperexcitation. *Journal of the American Chemical Society*, **2017**, 139, 9637-9644	16.4	38
24	miR-196a Enhances Neuronal Morphology through Suppressing RANBP10 to Provide Neuroprotection in Huntington\ Disease. *Theranostics*, **2017**, 7, 2452-2462	12.1	29
23	A synthetic snake-venom-based tripeptide (Glu-Val-Trp) protects PC12 cells from MPP toxicity by activating the NGF-signaling pathway. *Peptides*, **2018**, 104, 24-34	3.8	8
22	Caffeic Acid Phenethyl Ester (CAPE) Protects PC12 Cells from Cisplatin-Induced Neurotoxicity by Activating the NGF-Signaling Pathway. *Neurotoxicity Research*, **2018**, 34, 32-46	4.3	20
21	In Vitro and In Vitro Models for Alcohol Toxicity to the Extracellular Matrix of Astrocytes. *Methods in Pharmacology and Toxicology*, **2018**, 1	1.1	
20	Control of neurite growth and guidance by an inhibitory cell-body signal. *PLoS Computational Biology*, **2018**, 14, e1006218	5	6
19	Hormetic approaches to the treatment of Parkinson\ disease: Perspectives and possibilities. *Journal of Neuroscience Research*, **2018**, 96, 1641-1662	4.4	60
18	An Enhanced Green Fluorescence Protein-based Assay for Studying Neurite Outgrowth in Primary Neurons. *Journal of Visualized Experiments*, **2019**,	1.6	
17	Neurotropic activity and safety of methylene-cycloalkylacetate (MCA) derivative 3-(3-allyl-2-methylenecyclohexyl) propanoic acid. *ACS Chemical Neuroscience*, **2020**, 11, 2577-2589	5.7	
16	Axonal transport proteins: What they are and how they relate to depressive behaviors. **2021**, 197-213		
15	The Neurotrophic-Like Effect of Carvacrol: Perspective for Axonal and Synaptic Regeneration. *Neurotoxicity Research*, **2021**, 39, 886-896	4.3	1
14	The antibiotic doxycycline mimics the NGF signaling in PC12□cells: A relevant mechanism for neuroprotection. *Chemico-Biological Interactions*, **2021**, 341, 109454	5	3
13	Leaf Extract Promotes Neurite Outgrowth and Inhibits BACE1 Activity in Mutant APP-Overexpressing Neuronal Neuro2a Cells. *Pharmaceuticals*, **2021**, 14,	5.2	2
12	BmK NSPK, a Potent Potassium Channel Inhibitor from Scorpion Karsch, Promotes Neurite Outgrowth via NGF/TrkA Signaling Pathway. *Toxins*, **2021**, 13,	4.9	0
11	Hormesis: Once Marginalized, Evidence Now Supports Hormesis as the Most Fundamental Dose Response. **2010**, 15-56		5
10	Hormesis: improving predictions in the low-dose zone. *Exs*, **2012**, 101, 551-64		11
9	Hormesis: A potential strategic approach to the treatment of neurodegenerative disease. *International Review of Neurobiology*, **2020**, 155, 271-301	4.4	17
8	Predicting mechanism of biphasic growth factor action on tumor growth using a multi-species model with feedback control. *Journal of Coupled Systems and Multiscale Dynamics*, **2013**, 1, 459-467		4

7	The role of hormesis in the functional performance and protection of neural systems. *Brain Circulation*, **2017**, 3, 1-13	2.7	25
6	Exercise training and the promotion of neurogenesis and neurite outgrowth in the hippocampus. *The Journal of Physical Fitness and Sports Medicine*, **2012**, 1, 333-337	0.5	
5	Highly Oxygenated Chemical Constitutes and Rearranged Derivate with Neurotrophic Activity from Ganoderma Cochlear. *SSRN Electronic Journal*,	1	
4	Baccharin from Brazilian green propolis induces neurotrophic signaling pathways in PC12 cells: potential for axonal and synaptic regeneration.. *Naunyn-Schmiedeberg's Archives of Pharmacology*, **2022**, 395, 659	3.4	
3	Highly oxygenated chemical constitutes and rearranged derivatives with neurotrophic activity from Ganoderma cochlear. *Journal of Ethnopharmacology*, **2022**, 115393	5	0
2	Total Synthesis of Isohericerinol A and Its Analogues to Access Their Potential Neurotrophic Effects. **2022**, 87, 10836-10847		0
1	Dracaena cochinchinensis stemwood extracts inhibit amyloid-β fibril formation and promote neuronal cell differentiation. 13,		0