

Stuart C Feinstein

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.

51
papers

2,666
citations

25
h-index

51
g-index

69
ext. papers

2,940
ext. citations

5.9
avg, IF

4.66
L-index

#	Paper	IF	Citations
51	Presence or absence of TrkA protein distinguishes subsets of small sensory neurons with unique cytochemical characteristics and dorsal horn projections. <i>Journal of Comparative Neurology</i> , 1995 , 361, 404-16	3.4	245
50	Developmental and mature expression of full-length and truncated TrkB receptors in the rat forebrain. <i>Journal of Comparative Neurology</i> , 1996 , 374, 21-40	3.4	225
49	Differential regulation of microtubule dynamics by three- and four-repeat tau: implications for the onset of neurodegenerative disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 9548-53	11.5	193
48	Structural and functional differences between 3-repeat and 4-repeat tau isoforms. Implications for normal tau function and the onset of neurodegenerative disease. <i>Journal of Biological Chemistry</i> , 2000 , 275, 38182-9	5.4	165
47	Kinetic stabilization of microtubule dynamics at steady state by tau and microtubule-binding domains of tau. <i>Biochemistry</i> , 1995 , 34, 11117-27	3.2	146
46	Effects of eribulin, vincristine, paclitaxel and ixabepilone on fast axonal transport and kinesin-1 driven microtubule gliding: implications for chemotherapy-induced peripheral neuropathy. <i>NeuroToxicology</i> , 2013 , 37, 231-9	4.4	142
45	Inability of tau to properly regulate neuronal microtubule dynamics: a loss-of-function mechanism by which tau might mediate neuronal cell death. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2005 , 1739, 268-79	6.9	133
44	Regulation and aggregation of intrinsically disordered peptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 2758-63	11.5	130
43	Modulation of microtubule dynamics by tau in living cells: implications for development and neurodegeneration. <i>Molecular Biology of the Cell</i> , 2004 , 15, 2720-8	3.5	122
42	Complementary dimerization of microtubule-associated tau protein: Implications for microtubule bundling and tau-mediated pathogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 7445-50	11.5	114
41	Tau assembly: the dominant role of PHF6 (VQIVYK) in microtubule binding region repeat R3. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 4582-93	3.4	99
40	Evidence for two distinct binding sites for tau on microtubules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 6746-51	11.5	93
39	Microtubule-dependent oligomerization of tau. Implications for physiological tau function and tauopathies. <i>Journal of Biological Chemistry</i> , 2003 , 278, 33298-304	5.4	82
38	Three- and four-repeat tau regulate the dynamic instability of two distinct microtubule subpopulations in qualitatively different manners. Implications for neurodegeneration. <i>Journal of Biological Chemistry</i> , 2005 , 280, 13520-8	5.4	73
37	FTDP-17 mutations compromise the ability of tau to regulate microtubule dynamics in cells. <i>Journal of Biological Chemistry</i> , 2006 , 281, 11856-63	5.4	69
36	Amyloid EProtein C-Terminal Fragments: Formation of Cylindrins and EBarrels. <i>Journal of the American Chemical Society</i> , 2016 , 138, 549-57	16.4	67
35	Amyloid beta-mediated cell death of cultured hippocampal neurons reveals extensive Tau fragmentation without increased full-length tau phosphorylation. <i>Journal of Biological Chemistry</i> , 2011 , 286, 20797-811	5.4	61

34	Peripheral Neuropathy Induced by Microtubule-Targeted Chemotherapies: Insights into Acute Injury and Long-term Recovery. <i>Cancer Research</i> , 2018 , 78, 817-829	10.1	38
33	Direct force measurements reveal that protein Tau confers short-range attractions and isoform-dependent steric stabilization to microtubules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E6416-25	11.5	34
32	Tau mediates microtubule bundle architectures mimicking fascicles of microtubules found in the axon initial segment. <i>Nature Communications</i> , 2016 , 7, 12278	17.4	33
31	FTDP-17 mutations in Tau alter the regulation of microtubule dynamics: an "alternative core" model for normal and pathological Tau action. <i>Journal of Biological Chemistry</i> , 2008 , 283, 36406-15	5.4	30
30	Neurotrophins and neuronal versus glial differentiation in medulloblastomas and other pediatric brain tumors. <i>Acta Neuropathologica</i> , 1998 , 95, 325-32	14.3	29
29	Combinatorial Tau pseudophosphorylation: markedly different regulatory effects on microtubule assembly and dynamic instability than the sum of the individual parts. <i>Journal of Biological Chemistry</i> , 2011 , 286, 14257-70	5.4	27
28	Effects of Paclitaxel and Eribulin in Mouse Sciatic Nerve: A Microtubule-Based Rationale for the Differential Induction of Chemotherapy-Induced Peripheral Neuropathy. <i>Neurotoxicity Research</i> , 2016 , 29, 299-313	4.3	25
27	Tau isoform-specific modulation of kinesin-driven microtubule gliding rates and trajectories as determined with tau-stabilized microtubules. <i>Cytoskeleton</i> , 2011 , 68, 44-55	2.4	25
26	Structural Basis for Induction of Peripheral Neuropathy by Microtubule-Targeting Cancer Drugs. <i>Cancer Research</i> , 2016 , 76, 5115-23	10.1	25
25	Activation loop tyrosines contribute varying roles to TrkB autophosphorylation and signal transduction. <i>Oncogene</i> , 1998 , 16, 1691-700	9.2	23
24	Oligomerization of the microtubule-associated protein tau is mediated by its N-terminal sequences: implications for normal and pathological tau action. <i>Journal of Neurochemistry</i> , 2016 , 137, 939-54	6	23
23	Tau Aggregation Propensity Engrained in Its Solution State. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 14421-32	3.4	21
22	Opposing Effects of Cucurbit[7]uril and 1,2,3,4,6-Penta-O-galloyl- β -D-glucopyranose on Amyloid β 5-35 Assembly. <i>ACS Chemical Neuroscience</i> , 2016 , 7, 218-26	5.7	20
21	A novel MAPT mutation, G55R, in a frontotemporal dementia patient leads to altered Tau function. <i>PLoS ONE</i> , 2013 , 8, e76409	3.7	18
20	Microtubule-Targeting Agents Eribulin and Paclitaxel Differentially Affect Neuronal Cell Bodies in Chemotherapy-Induced Peripheral Neuropathy. <i>Neurotoxicity Research</i> , 2017 , 32, 151-162	4.3	16
19	1,2,3,4,6-penta-O-galloyl- β -D-glucopyranose Binds to the N-terminal Metal Binding Region to Inhibit Amyloid β -protein Oligomer and Fibril Formation. <i>International Journal of Mass Spectrometry</i> , 2017 , 420, 24-34	1.9	16
18	Quantitative analysis of MAP-mediated regulation of microtubule dynamic instability in vitro focus on Tau. <i>Methods in Cell Biology</i> , 2010 , 95, 481-503	1.8	13
17	Differential Morphological and Biochemical Recovery from Chemotherapy-Induced Peripheral Neuropathy Following Paclitaxel, Ixabepilone, or Eribulin Treatment in Mouse Sciatic Nerves. <i>Neurotoxicity Research</i> , 2018 , 34, 677-692	4.3	12

16	Tau proteins harboring neurodegeneration-linked mutations impair kinesin translocation in vitro. <i>Journal of Alzheimerts Disease</i> , 2014 , 39, 301-14	4.3	11
15	Model based dynamics analysis in live cell microtubule images. <i>BMC Cell Biology</i> , 2007 , 8 Suppl 1, S4		11
14	The TrkB receptor tyrosine kinase regulates cellular proliferation via signal transduction pathways involving SHC, PLCgamma, and CBL. <i>Journal of Receptor and Signal Transduction Research</i> , 1999 , 19, 953-74	3.6	11
13	Evidence that perihypoglossal neurons involved in vestibular-auditory and gaze control functions respond to nerve growth factor. <i>Journal of Comparative Neurology</i> , 1997 , 383, 123-34	3.4	10
12	Paclitaxel suppresses Tau-mediated microtubule bundling in a concentration-dependent manner. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017 , 1861, 3456-3463	4	8
11	Molecular analysis of the nerve growth factor inducible ornithine decarboxylase gene in PC12 cells. <i>Journal of Neuroscience Research</i> , 1993 , 34, 304-14	4.4	5
10	Microtubule and tubulin binding and regulation of microtubule dynamics by the antibody drug conjugate (ADC) payload, monomethyl auristatin E (MMAE): Mechanistic insights into MMAE ADC peripheral neuropathy. <i>Toxicology and Applied Pharmacology</i> , 2021 , 421, 115534	4.6	5
9	Digital quantification of neurite outgrowth and retraction by phase-contrast microscopy: A tau perspective. <i>Methods in Cell Biology</i> , 2017 , 141, 217-228	1.8	4
8	Effects of wild type tau and disease-linked tau mutations on microtubule organization and intracellular trafficking. <i>Journal of Biomechanics</i> , 2016 , 49, 1280-1285	2.9	4
7	Minireview - Microtubules and Tubulin Oligomers: Shape Transitions and Assembly by Intrinsically Disordered Protein Tau and Cationic Biomolecules. <i>Langmuir</i> , 2019 , 35, 15970-15978	4	2
6	Expression and isolation of recombinant tau. <i>Methods in Cell Biology</i> , 2017 , 141, 3-26	1.8	2
5	Tau isoform-specific stabilization of intermediate states during microtubule assembly and disassembly. <i>Journal of Biological Chemistry</i> , 2019 , 294, 12265-12280	5.4	2
4	Tubulin Double Helix: Lateral and Longitudinal Curvature Changes of Tubulin Protofilament. <i>Small</i> , 2020 , 16, e2001240	11	2
3	Synchrotron small-angle X-ray scattering and electron microscopy characterization of structures and forces in microtubule/Tau mixtures. <i>Methods in Cell Biology</i> , 2017 , 141, 155-178	1.8	1
2	A general modeling and visualization tool for comparing different members of a group: application to studying tau-mediated regulation of microtubule dynamics. <i>BMC Bioinformatics</i> , 2008 , 9, 339	3.6	1
1	Tubulin Protofilaments: Tubulin Double Helix: Lateral and Longitudinal Curvature Changes of Tubulin Protofilament (Small 37/2020). <i>Small</i> , 2020 , 16, 2070205	11	