

Martin J Carden

List of Publications by Year in descending order

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32
papers

1,188
citations

471509

17
h-index

477307

29
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33
all docs

33
docs citations

33
times ranked

1139
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of the major multiphosphorylation site in mammalian neurofilaments.. Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 1998-2002.	7.1	346
2	The cold-shock response in cultured mammalian cells: Harnessing the response for the improvement of recombinant protein production. Biotechnology and Bioengineering, 2006, 93, 829-835.	3.3	130
3	Biochemical insights into the mechanisms central to the response of mammalian cells to cold stress and subsequent rewarming. FEBS Journal, 2009, 276, 286-302.	4.7	91
4	Selected Subunits of the Cytosolic Chaperonin Associate with Microtubules Assembled in Vitro. Journal of Biological Chemistry, 1999, 274, 2408-2415.	3.4	52
5	2,5-Hexanedione neuropathy is associated with the covalent crosslinking of neurofilament proteins. Neurochemical Pathology, 1986, 5, 25-35.	1.1	48
6	The structure of the largest murine neurofilament protein (NF-H) as revealed by cDNA and genomic sequences. Molecular Brain Research, 1988, 4, 217-231.	2.3	47
7	Subunits of the eukaryotic cytosolic chaperonin CCT do not always behave as components of a uniform hetero-oligomeric particle. European Journal of Cell Biology, 1999, 78, 21-32.	3.6	46
8	Loss of the Compound Action Potential: an Electrophysiological, Biochemical and Morphological Study of Early Events in Axonal Degeneration in the C57BL/Ola Mouse. European Journal of Neuroscience, 1994, 6, 516-524.	2.6	45
9	Eukaryotic chaperonin containing T-complex polypeptide 1 interacts with filamentous actin and reduces the initial rate of actin polymerization in vitro. Cell Stress and Chaperones, 2002, 7, 235.	2.9	45
10	The Cotranslational Contacts between Ribosome-bound Nascent Polypeptides and the Subunits of the Hetero-oligomeric Chaperonin TRiC Probed by Photocross-linking. Journal of Biological Chemistry, 2005, 280, 28118-28126.	3.4	36
11	ATR (ataxia telangiectasia mutated- and Rad3-related kinase) is activated by mild hypothermia in mammalian cells and subsequently activates p53. Biochemical Journal, 2011, 435, 499-508.	3.7	34
12	Slow axonal transport of the cytosolic chaperonin CCT with Hsc73 and actin in motor neurons. Journal of Neuroscience Research, 2002, 68, 29-35.	2.9	31
13	Molecular characterisation of a novel, repetitive protein of the paraflagellar rod in Trypanosoma brucei. Molecular and Biochemical Parasitology, 1994, 67, 31-39.	1.1	28
14	Disassembly of the Cytosolic Chaperonin in Mammalian Cell Extracts at Intracellular Levels of K ⁺ and ATP. Journal of Biological Chemistry, 1999, 274, 19220-19227.	3.4	27
15	Post-translational events of a model reporter protein proceed with higher fidelity and accuracy upon mild hypothermic culturing of Chinese hamster ovary cells. Biotechnology and Bioengineering, 2010, 105, 215-220.	3.3	27
16	Immunological characterization of cytoskeletal proteins associated with the basal body, axoneme and flagellum attachment zone of <i>Trypanosoma brucei</i> . Parasitology, 1995, 111, 77-85.	1.5	25
17	Identification of Chaperonin Particles in Mammalian Brain Cytosol and of T-Complex Polypeptide 1 as One of Their Components. Journal of Neurochemistry, 1993, 60, 2327-2330.	3.9	22
18	Engineered transient and stable overexpression of translation factors eIF3i and eIF3c in CHOK1 and HEK293 cells gives enhanced cell growth associated with increased c-Myc expression and increased recombinant protein synthesis. Metabolic Engineering, 2020, 59, 98-105.	7.0	17

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19	The chaperonin CCT interacts with and mediates the correct folding and activity of three subunits of translation initiation factor eIF3: b, i and h. <i>Biochemical Journal</i> , 2014, 458, 213-224.	3.7	16
20	Studies of neurofilaments that accumulate in proximal axons of rats intoxicated with Î²,Î²-aminodipropionitrile (IDPN). <i>Neurochemical Pathology</i> , 1987, 7, 189-205.	1.1	16
21	On the Effect of Transient Expression of Mutated eIF2Î± and eIF4E Eukaryotic Translation Initiation Factors on Reporter Gene Expression in Mammalian Cells Upon Cold-Shock. <i>Molecular Biotechnology</i> , 2006, 34, 141-150.	2.4	15
22	A proteomic approach to understand MMPâ€³â€³-driven developmental processes in the postnatal cerebellum: Chaperonin CCT6A and MAP kinase as contributing factors. <i>Developmental Neurobiology</i> , 2015, 75, 1033-1048.	3.0	12
23	Modulation of Phosducin-Like Protein 3 (PhLP3) Levels Promotes Cytoskeletal Remodelling in a MAPK and RhoA-Dependent Manner. <i>PLoS ONE</i> , 2011, 6, e28271.	2.5	10
24	Definition of a Sequence Unique in Î²II Spectrin Required for Its Axonâ€³specific Interaction with Fodaxin (A60). <i>Journal of Neurochemistry</i> , 1997, 68, 1686-1695.	3.9	8
25	Domain structure of neurofilament subunits as revealed by monoclonal antibodies. <i>Journal of Cellular Biochemistry</i> , 1985, 27, 181-187.	2.6	5
26	Neuronal aspects of cytosolic chaperonin complexes: structures implicated in the production of functional cytoskeletal proteins. <i>Biochemical Society Transactions</i> , 1995, 23, 70-76.	3.4	5
27	Examination Of Neurofilament Assembly Dynamics In Vitro. <i>Biochemical Society Transactions</i> , 1995, 23, 43S-43S.	3.4	2
28	The largest neurofilament component assembles in non-neuronal cells (fibroblasts), but is not phosphorylated. <i>Biochemical Society Transactions</i> , 1991, 19, 1147-1148.	3.4	1
29	Cytosolic chaperonin complexes in the â€³neurone-likeâ€³ ND7/23 cell line. <i>Biochemical Society Transactions</i> , 1994, 22, 177S-177S.	3.4	1
30	Reinvestigation of a Ca ²⁺ /calmodulin dependent neurofilament-directed protein kinase activity. <i>Biochemical Society Transactions</i> , 1993, 21, 197S-197S.	3.4	0
31	Non-Uniform Distribution & Associations Of Triplet Proteins In Neurofilaments. <i>Biochemical Society Transactions</i> , 1995, 23, 42S-42S.	3.4	0
32	Getting it right: chaperonins. <i>Trends in Cell Biology</i> , 1997, 7, 174.	7.9	0