Gyula Varadi

List of Publications by Year in descending order

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Version: 2024-02-01

48	2,241	218677	214800
papers	citations	26 h-index	47 g-index

49	49	49	1675
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Acceleration of activation and inactivation by the Î² subunit of the skeletal muscle calcium channel. Nature, 1991, 352, 159-162.	27.8	294
2	Molecular determinants of Ca2+ channel function and drug action. Trends in Pharmacological Sciences, 1995, 16, 43-49.	8.7	204
3	A Ca ²⁺ -Dependent Transgenic Model of Cardiac Hypertrophy. Circulation, 2001, 103, 140-147.	1.6	145
4	Targeted disruption of the voltage-dependent calcium channel Î±₂/Î´-1-subunit. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H117-H124.	3.2	127
5	Carbon Monoxide Inhibits L-type Ca2+ Channels via Redox Modulation of Key Cysteine Residues by Mitochondrial Reactive Oxygen Species. Journal of Biological Chemistry, 2008, 283, 24412-24419.	3.4	120
6	Cardiac L-type Calcium Channel Î²-Subunits Expressed in Human Heart Have Differential Effects on Single Channel Characteristics. Journal of Biological Chemistry, 2003, 278, 21623-21630.	3.4	98
7	Multiple Modulation Pathways of Calcium Channel Activity by a Î² Subunit. Journal of Biological Chemistry, 1998, 273, 19348-19356.	3.4	82
8	Molecular Pharmacology of Voltage-Dependent Calcium Channels. The Japanese Journal of Pharmacology, 1996, 72, 83-109.	1.2	80
9	Splice Variants Reveal the Region Involved in Oxygen Sensing by Recombinant Human L-Type Ca 2+ Channels. Circulation Research, 2000, 87, 537-539.	4.5	76
10	Cardiac-specific Overexpression of the Î±1 Subunit of the L-type Voltage-dependent Ca2+ Channel in Transgenic Mice. Journal of Biological Chemistry, 1999, 274, 21503-21506.	3.4	64
11	Evidence for the existence of a cardiac specific isoform of the Î±1subunit of the voltage dependent calcium channel. FEBS Letters, 1989, 250, 509-514.	2.8	60
12	Characterization of Î² subunit modulation of a rabbit cardiac L-type Ca2+channel Î±1subunit as expressed in mouse L cells. FEBS Letters, 1993, 315, 167-172.	2.8	59
13	Involvement of the Carboxyl-terminal Region of the Î±1 Subunit in Voltage-dependent Inactivation of Cardiac Calcium Channels. Journal of Biological Chemistry, 1995, 270, 17306-17310.	3.4	58
14	Alzheimerâ€™s amyloid peptides mediate hypoxic upâ€regulation of Lâ€type Ca 2+ channels. FASEB Journal, 2005, 19, 150-152.	0.5	54
15	Preparation and infrared spectra of monosubstituted PR3 and P(OR)3 (R î—» alkyl, aryl) derivatives of (Î¼2-L)2Co2(CO)6 compounds. Journal of Organometallic Chemistry, 1976, 108, 225-233.	1.8	52
16	Molecular Elements of Ion Permeation and Selectivity within Calcium Channels. Critical Reviews in Biochemistry and Molecular Biology, 1999, 34, 181-214.	5.2	49
17	Use of transgenic mice to study voltage-dependent Ca2+ channels. Trends in Pharmacological Sciences, 2001, 22, 526-532.	8.7	42
18	Electrical remodeling in hearts from a calcium-dependent mouse model of hypertrophy and failure. Journal of the American College of Cardiology, 2003, 41, 1611-1622.	2.8	41

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19	Changes in the Xanthophyll Cycle and Fluorescence Quenching Indicate Light-Dependent Early Events in the Action of Paraquat and the Mechanism of Resistance to Paraquat in Erigeron canadensis(L.) Cronq. Plant Physiology, 2000, 123, 1459-1470.	4.8	38
20	On the reactivity of Î¼2-acetylenes coordinated to cobalt. Journal of Organometallic Chemistry, 1975, 90, 85-91.	1.8	35
21	Predicting response to topical non-steroidal anti-inflammatory drugs in osteoarthritis: an individual patient data meta-analysis of randomized controlled trials. Rheumatology, 2020, 59, 2207-2216.	1.9	35
22	Molecular Studies of the Asymmetric Pore Structure of the Human Cardiac Voltage- dependent Ca2+ Channel. Journal of Biological Chemistry, 1996, 271, 22293-22296.	3.4	32
23	A Region in IVS5 of the Human Cardiac L-type Calcium Channel Is Required for the Use-dependent Block by Phenylalkylamines and Benzothiazepines. Journal of Biological Chemistry, 1999, 274, 9409-9420.	3.4	32
24	Architecture of Ca2+ Channel Pore-lining Segments Revealed by Covalent Modification of Substituted Cysteines. Journal of Biological Chemistry, 2000, 275, 34493-34500.	3.4	32
25	Developmental regulation of expression of the Î±1and Î±2subunits mRNAs of the voltage-dependent calcium channel in a differentiating myogenic cell line. FEBS Letters, 1989, 250, 515-518.	2.8	31
26	Cloning of the Î²2a Subunit of the Voltage-Dependent Calcium Channel from Human Heart: Cooperative Effect of Î±2/Î´ and Î²2a on the Membrane Expression of the Î±1C Subunit. Biochemical and Biophysical Research Communications, 2000, 267, 156-163.	2.1	27
27	Methylidinetricobalt nonacarbonyl compounds. Journal of Organometallic Chemistry, 1975, 86, 119-125.	1.8	22
28	Molecular Studies on the Voltage Dependence of Dihydropyridine Action on L-type Ca2+ Channels. Journal of Biological Chemistry, 1997, 272, 24952-24960.	3.4	21
29	Electronic effects and the infrared spectra of Î¼2-alkynehexacarbonyldicobalt compounds. Journal of Organometallic Chemistry, 1976, 114, 213-217.	1.8	20
30	On the reactivity of Î¼2-acetylenes coordinated to cobalt. Journal of Organometallic Chemistry, 1979, 182, 415-423.	1.8	19
31	cAMP-dependent phosphorylation sites and macroscopic activity of recombinant cardiac L-type calcium channels. Molecular and Cellular Biochemistry, 1998, 185, 95-109.	3.1	19
32	Activation of carbon monoxide and acetylenes by cobalt carbonyls. Journal of Molecular Catalysis, 1981, 13, 61-70.	1.2	17
33	Atrazine resistance entails a limited xanthophyll cycle activity, a lower PSII efficiency and an altered pattern of excess excitation dissipation. Physiologia Plantarum, 2003, 118, 47-56.	5.2	15
34	On the reactivity of acetylenes coordinated to cobalt V. Unexpected formation of trinuclear Î¼3-carbyne derivatives from acetylene mono- and dicarboxylic acid esters. Inorganica Chimica Acta, 1981, 53, L29-L30.	2.4	14
35	Xanthophyll Cycle Patterns and in vivo Photoinhibition in Herbicide-Resistant Biotypes of Conyza canadensis. Journal of Plant Physiology, 1994, 144, 669-674.	3.5	14
36	Inhibition of Cloned Human L-Type Cardiac Calcium Channels by 2,3-Butanedione Monoxime Does Not Require PKA-Dependent Phosphorylation Sites. Biochemical and Biophysical Research Communications, 1997, 230, 489-492.	2.1	13

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37	A CNDO/2 study of (Î¼2-acetylene)hexacarbonyldicobalt (Coî—¸Co) complexes. Computational and Theoretical Chemistry, 1982, 88, 357-370.	1.5	12
38	Lack of Involvement of Protein Kinase A Phosphorylation in Voltage-Dependent Facilitation of the Activity of Human Cardiac L-Type Calcium Channels. Biochemical and Biophysical Research Communications, 1996, 221, 446-453.	2.1	12
39	The Role of Region IVS5 of the Human Cardiac Calcium Channel in Establishing Inactivated Channel Conformation. Journal of Biological Chemistry, 2002, 277, 20651-20659.	3.4	12
40	On the reactivity of acetylenes coordinated to cobalt IV. The influence of tertiary phosphorus compounds on the catalytic synthesis of bifurandiones. Journal of Molecular Catalysis, 1980, 9, 457-460.	1.2	11
41	The reactivity of acetylenes coordinated to cobalt. Journal of Organometallic Chemistry, 1981, 206, 119-130.	1.8	11
42	Randomized clinical trial evaluating transdermal Ibuprofen for moderate to severe knee osteoarthritis. Pain Physician, 2013, 16, E749-62.	0.4	11
43	Characterization of auto-regulation of the human cardiac alpha1 subunit of the L-type calcium channel: importance of the C-terminus. Molecular and Cellular Biochemistry, 2003, 250, 81-89.	3.1	9
44	Conserved structure of the chloroplast-DNA encoded D1 protein is essential for effective photoprotection via non-photochemical thermal dissipation in higher plants. Molecular Genetics and Genomics, 2010, 284, 55-63.	2.1	7
45	Defensive strategies against high light stress in wild and D1 protein mutant biotypes of Erigeron canadensis. Functional Plant Biology, 2000, 27, 325.	2.1	7
46	On the reactivity of acetylenes coordinated to cobalt.. Journal of Molecular Catalysis, 1993, 84, L7-L14.	1.2	3
47	Analysis of Oxygen-Sensitive Human Cardiac L-Type Ca2+ Channel Î±1C Subunit (hHT Isoform). Methods in Enzymology, 2004, 381, 290-302.	1.0	3
48	[Î¼2-(O-Acylhydroxycarbene)]dicobalt Hexacarbonyls by Carbon-to-Oxygen Acylâ^'Acyl Coupling. European Journal of Inorganic Chemistry, 2001, 2001, 2207-2209.	2.0	2