Carola Tilgmann

List of Publications by Year
in descending order

28 papers	2,484 citations	331538 21 h-index	526166 27 g-index
28 all docs	28 docs citations	28 times ranked	2935 citing authors

#	Article	IF	Citations
1	Kinetics of Human Soluble and Membrane-Bound Catechol O-Methyltransferase: A Revised Mechanism and Description of the Thermolabile Variant of the Enzyme. Biochemistry, 1995, 34, 4202-4210.	1.2	1,075
2	Genetic polymorphism of catechol-O-methyltransferase (COMT): correlation of genotype with individual variation of S-COMT activity and comparison of the allele frequencies in the normal population and Parkinsonian patients in Finland. Pharmacogenetics and Genomics, 1997, 7, 65-71.	5.7	143
3	Binding of Levosimendan, a Calcium Sensitizer, to Cardiac Troponin C. Journal of Biological Chemistry, 2001, 276, 9337-9343.	1.6	124
4	Molecular cloning and characterization of rat liver catechol-O-methyltransferase. Gene, 1990, 93, 241-247.	1.0	114
5	Cloning, expression and structure of catechol-O-methyltransferase. BBA - Proteins and Proteomics, 1995, 1251, 1-10.	2.1	112
6	Compensatory Mechanisms Associated With the Hyperdynamic Function of Phospholamban-Deficient Mouse Hearts. Circulation Research, 1996, 79, 1064-1076.	2.0	102
7	Aspartic proteinase from barley grains is related to mammalian lysosomal cathepsin D. Planta, 1992, 186, 317-23.	1.6	98
8	Expression and Intracellular Localization of Catechol O-methyltransferase in Transfected Mammalian Cells. FEBS Journal, 1997, 243, 452-459.	0.2	91
9	Further Evidence for the Cardiac Troponin C Mediated Calcium Sensitization by Levosimendan: Structure-response and Binding Analysis with Analogs of Levosimendan. Journal of Molecular and Cellular Cardiology, 2000, 32, 479-491.	0.9	86
10	Catechol-O-methyltransferase (COMT) in rat brain: immunoelectron microscopic study with an antiserum against rat recombinant COMT protein. Neuroscience Letters, 1995, 187, 57-60.	1.0	67
11	The Enhanced Contractility of the Phospholamban-deficient Mouse Heart Persists with Aging. Journal of Molecular and Cellular Cardiology, 2001, 33, 1031-1040.	0.9	61
12	Expression of recombinant soluble and membrane-bound catechol O-methyltransferase in eukaryotic cells and identification of the respective enzymes in rat brain. FEBS Journal, 1992, 207, 813-821.	0.2	44
13	Solution Structure and Main Chain Dynamics of the Regulatory Domain (Residues 1â€“91) of Human Cardiac Troponin C. Journal of Biological Chemistry, 1998, 273, 15633-15638.	1.6	38
14	Purification and partial characterization of rat liver soluble catechol-O-methyltransferase. FEBS Letters, 1990, 264, 95-99.	1.3	37
15	Expression of enzymatically active rat liver and human placental catechol-O-methyltransferase in Escherichia coli; purification and partial characterization of the enzyme. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1992, 1129, 149-154.	2.4	37
16	Hormonal regulation of catechol-O-methyl transferase activity in women with uterine leiomyomas. Fertility and Sterility, 2006, 86, 259-262.	0.5	36
17	Regulatory Role of Phospholamban in the Efficiency of Cardiac Sarcoplasmic Reticulum Ca2+Transportâ€. Biochemistry, 2000, 39, 14176-14182.	1.2	33
18	Reduced Membrane-Bound Catechol-O-Methyltransferase in the Liver of Spontaneously Hypertensive Rats. Hypertension Research, 2003, 26, 923-927.	1.5	30

#	Article	IF	Citations
19	Purification and partial sequence analysis of the soluble catechol-o-methyltransferase from human placenta: Comparison to the rat liver enzyme. Biochemical and Biophysical Research Communications, 1991, 174, 995-1002.	1.0	26
20	Purification methods of mammalian catechol-O-methyltransferases. Biomedical Applications, 1996, 684, 147-161.	1.7	25
21	Crystallization and preliminary X-ray investigation of a recombinant form of rat catecholO-methyltransferase. Proteins: Structure, Function and Bioinformatics, 1991, 11, 233-236.	1.5	22
22	Conformations of the regulatory domain of cardiac troponin C examined by residual dipolar couplings. FEBS Journal, 2000, 267, 6665-6672.	0.2	21
23	Increased catechol-O-methyltransferase activity and protein expression in OX-42-positive cells in the substantia nigra after lipopolysaccharide microinfusion. Neurochemistry International, 2007, 51, 412-423.	1.9	20
24	O-Methylation of L-dopa in Melanin Metabolism and the Presence of Catechol-O-Methyltransferase in Melanocytes. Pigment Cell & Melanoma Research, 1994, 7, 403-408.	4.0	17
25	Phenotype mining in CNV carriers from a population cohort â€. Human Molecular Genetics, 2011, 20, 2686-2695.	1.4	13
26	Opposite Effect of Ethanol on Recombinant Membraneâ€Bound and Soluble Activities of Catecholâ€Oâ€methyltransferase. Basic and Clinical Pharmacology and Toxicology, 1995, 77, 414-416.	0.0	5
27	CATECHOL 0-METHYLTRANSFERASE. , 1999, , 55-91.		5
28	Discovery and Structural Characterization of a Phospholambanâ€Binding Cyclic Peptide and Design of Novel Inhibitors of Phospholamban. Chemical Biology and Drug Design, 2013, 81, 463-473.	1.5	2