Franck G Sturtz

List of Publications by Year
in descending order

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97	1,900	279701	302012
papers	citations	23 h-index	39 g-index

104	104	104	3024
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The 50th anniversary of the discovery of trisomy 21: The past, present, and future of research and treatment of Down syndrome. Genetics in Medicine, 2009, 11, 611-616.	1.1	187
2	High metabolic level in patients with familial amyotrophic lateral sclerosis. Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders, 2009, 10, 113-117.	2.3	135
3	Verapamil increases the survival of patients with anthracycline-resistant metastatic breast carcinoma. Annals of Oncology, 2000, 11, 1471-1476.	0.6	103
4	Genotype-Phenotype Correlations in Charcot-Marie-Tooth Disease Type 2 Caused by Mitofusin 2 Mutations. Archives of Neurology, 2009, 66, 1511-6.	4.9	102
5	Severe early-onset axonal neuropathy with homozygous and compound heterozygous MFN2 mutations. Neurology, 2008, 70, 1678-1681.	1.5	95
6	Local low dose curcumin treatment improves functional recovery and remyelination in a rat model of sciatic nerve crush through inhibition of oxidative stress. Neuropharmacology, 2018, 139, 98-116.	2.0	51
7	Detection of deletion within 17p11.2 in 7 French families with hereditary neuropathy with liability to pressure palsies (HNPP). Cytogenetic and Genome Research, 1994, 65, 261-264.	0.6	45
8	Acute Regression in Young People with Down Syndrome. Brain Sciences, 2017, 7, 57.	1.1	44
9	Effect of Leucovorin (Folinic Acid) on the Developmental Quotient of Children with Down's Syndrome (Trisomy 21) and Influence of Thyroid Status. PLoS ONE, 2010, 5, e8394.	1.1	44
10	Connexin 43â€“mediated bystander effect in two rat glioma cell models. Cancer Gene Therapy, 2002, 9, 149-155.	2.2	39
11	Expression of 5-lipoxygenase (5-LOX) in T lymphocytes. Immunology, 2007, 122, 157-166.	2.0	38
12	Variable Efficiency of the Thymidine Kinase/Ganciclovir System in Human Glioblastoma Cell Lines: Implications for Gene Therapy. Human Gene Therapy, 1997, 8, 1945-1953.	1.4	36
13	Overexpression of human GPX1 modifies Bax to Bcl-2 apoptotic ratio in human endothelial cells. Molecular and Cellular Biochemistry, 2005, 277, 81-87.	1.4	36
14	Autosomal-Recessive Charcot-Marie-Tooth Diseases. Journal of Neuropathology and Experimental Neurology, 2005, 64, 363-370.	0.9	36
15	Neuroprotective effect of angiotensin II type 2 receptor stimulation in vincristine-induced mechanical allodynia. Pain, 2018, 159, 2538-2546.	2.0	34
16	Curcuminâ€“cyclodextrin/cellulose nanocrystals improve the phenotype of Charcot-Marie-Tooth-1A transgenic rats through the reduction of oxidative stress. Free Radical Biology and Medicine, 2020, 161, 246-262.	1.3	34
17	Involvement of Human Herpesvirus-6 Variant B in Classic Hodgkin's Lymphoma via DR7 Oncoprotein. Clinical Cancer Research, 2010, 16, 4711-4721.	3.2	32
18	How can grafted breast cancer models be optimized?. Cancer Biology and Therapy, 2011, 12, 855-864.	1.5	32

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19	Gene expression of HIF-1Î± and XRCC4 measured in human samples by real-time RT-PCR using the sigmoidal curve-fitting method. BioTechniques, 2007, 42, 355-362.	0.8	30
20	Cancer Gene Therapy by Direct Tumor Injections of a Nonviral T7 Vector Encoding a Thymidine Kinase Gene. Human Gene Therapy, 1998, 9, 729-736.	1.4	26
21	X-linked dominant Charcot-Marie-Tooth neuropathy (CMTX): new mutations in the connexin32 gene. Human Genetics, 1996, 98, 172-175.	1.8	25
22	Clinical and Electrophysiological Phenotype of a Homozygously Duplicated Charcot-Marie-Tooth (Type) Tj ETQq0 0 0 rgBT /Overlock 10	0.6	25
23	A novel endothelial cell-based gene therapy platform for the in vivo delivery of apolipoprotein E. Gene Therapy, 1999, 6, 1153-1159.	2.3	24
24	Fingolimod potentiates the effects of sunitinib malate in a rat breast cancer model. Breast Cancer Research and Treatment, 2012, 134, 31-40.	1.1	24
25	Contribution of electron microscopy to the study of neuropathies associated with an IgG monoclonal paraproteinemia. Micron, 2008, 39, 61-70.	1.1	23
26	In vitro 3D angiogenesis assay in egg white matrix: comparison to Matrigel, compatibility to various species, and suitability for drug testing. Laboratory Investigation, 2014, 94, 340-349.	1.7	23
27	Focus on cell therapy to treat corneal endothelial diseases. Experimental Eye Research, 2021, 204, 108462.	1.2	23
28	1p19q LOH patterns and expression of p53 and Olig2 in gliomas: relation with histological types and prognosis. Modern Pathology, 2010, 23, 619-628.	2.9	22
29	Focus on 1,25-Dihydroxyvitamin D3 in the Peripheral Nervous System. Frontiers in Neuroscience, 2019, 13, 348.	1.4	21
30	Blue light is phototoxic for B16F10 murine melanoma and bovine endothelial cell lines by direct cytocidal effect. Anticancer Research, 2010, 30, 143-7.	0.5	21
31	CovCopCan: An efficient tool to detect Copy Number Variation from amplicon sequencing data in inherited diseases and cancer. PLoS Computational Biology, 2020, 16, e1007503.	1.5	20
32	New Mutations in the X-Linked Form of Charcot-Marie-Tooth Disease. European Neurology, 1997, 37, 38-42.	0.6	19
33	Candesartan prevents resiniferatoxin-induced sensory small-fiber neuropathy in mice by promoting angiotensin II-mediated AT2 receptor stimulation. Neuropharmacology, 2017, 126, 142-150.	2.0	19
34	Improved agarose gel assay for quantification of growth factor-induced cell motility. BioTechniques, 2007, 43, 509-516.	0.8	18
35	Diagnostic value of ultrastructural nerve examination in Charcot-Marie-Tooth disease: two CMT 1B cases with pseudo-recessive inheritance. Acta Neuropathologica, 2007, 113, 443-449.	3.9	18
36	Antimurine retroviral effect of doxycycline. Methods and Findings in Experimental and Clinical Pharmacology, 1998, 20, 643.	0.8	18

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37	Homozygous deletion of an EGR2 enhancer in congenital amyelinating neuropathy. Annals of Neurology, 2012, 71, 719-723.	2.8	17
38	Hearing loss in inherited peripheral neuropathies: Molecular diagnosis by NGS in a French series. Molecular Genetics & Genomic Medicine, 2019, 7, e839.	0.6	17
39	Two novel mutations of the calcium-sensing receptor gene affecting the same amino acid position lead to opposite phenotypes and reveal the importance of p.N802 on receptor activity. European Journal of Endocrinology, 2013, 168, K27-K34.	1.9	15
40	New Method for Sorting Endothelial and Neural Progenitors from Human Induced Pluripotent Stem Cells by Sedimentation Field Flow Fractionation. Analytical Chemistry, 2016, 88, 6696-6702.	3.2	15
41	A complex homozygous mutation in ABHD12 responsible for PHARC syndrome discovered with NGS and review of the literature. Journal of the Peripheral Nervous System, 2017, 22, 77-84.	1.4	15
42	â€˜COVâ€™COPâ€™ allows to detect CNVs responsible for inherited diseases among amplicons sequencing data. Bioinformatics, 2017, 33, 1586-1588.	1.8	15
43	Fingolimod inhibits PDGF-B-induced migration of vascular smooth muscle cell by down-regulating the S1PR1/S1PR3 pathway. Biochimie, 2012, 94, 2523-2531.	1.3	14
44	A novel pathogenic variant of NEFL responsible for deafness associated with peripheral neuropathy discovered through nextâ€generation sequencing and review of the literature. Journal of the Peripheral Nervous System, 2019, 24, 139-144.	1.4	12
45	Thyroid hormone and folinic acid in young children with Down syndrome: the phase 3 ACTHYF trial. Genetics in Medicine, 2020, 22, 44-52.	1.1	12
46	GDAP1 Involvement in Mitochondrial Function and Oxidative Stress, Investigated in a Charcot-Marie-Tooth Model of hiPSCs-Derived Motor Neurons. Biomedicines, 2021, 9, 945.	1.4	12
47	A reversible functional sensory neuropathy model. Neuroscience Letters, 2014, 571, 39-44.	1.0	11
48	VEGFR-3, VEGF-C and VEGF-D mRNA quantification by RT-PCR in different human cell types. Anticancer Research, 2006, 26, 1885-91.	0.5	11
49	An overview of ongoing clinical trials assessing pharmacological therapeutic strategies to manage chemotherapyâ€induced peripheral neuropathy, based on preclinical studies in rodent models. Fundamental and Clinical Pharmacology, 2021, 35, 506-523.	1.0	9
50	The Angiotensin II Type 2 Receptor, a Target for Protection and Regeneration of the Peripheral Nervous System?. Pharmaceuticals, 2021, 14, 175.	1.7	9
51	Ramipril Alleviates Oxaliplatin-Induced Acute Pain Syndrome in Mice. Frontiers in Pharmacology, 2021, 12, 712442.	1.6	9
52	Charcotâ€Marieâ€Tooth disease from first description to genetic localization of mutations. Journal of the History of the Neurosciences, 1992, 1, 47-58.	0.1	8
53	Long term alteration in tyrosine hydroxylase mRNA levels in rat locus coeruleus after intraventricular injection of 5,6-dihydroxytryptamine. Molecular Brain Research, 1994, 22, 107-112.	2.5	8
54	Autosomal recessive forms of Charcot-Marie-Tooth disease. Current Neurology and Neuroscience Reports, 2004, 4, 413-419.	2.0	8

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55	A highly specific microarray method for point mutation detection. BioTechniques, 2008, 44, 119-126.	0.8	8
56	DNA analysis as a tool to confirm the diagnosis of asymptomatic hereditary neuropathy with liability to pressure palsies (HNPP) with further evidence for the occurrence of de novo mutations. Acta Neurologica Scandinavica, 1995, 92, 313-318.	1.0	8
57	Tetracycline-regulatable expression vectors tightly regulate in vitro gene expression of secreted proteins. Gene, 1998, 221, 279-285.	1.0	7
58	Myenteric plexus alterations downstream from a prenatal intestinal obstruction in a rat model. Neuroscience Letters, 2009, 461, 126-130.	1.0	7
59	Congenital hypomyelinating neuropathy due to the association of a truncating mutation in PMP22 with the classical HNPP deletion. Neuromuscular Disorders, 2016, 26, 316-321.	0.3	7
60	A mutation can hide another one: Think Structural Variants!. Computational and Structural Biotechnology Journal, 2020, 18, 2095-2099.	1.9	7
61	Optimized Protocol to Generate Spinal Motor Neuron Cells from Induced Pluripotent Stem Cells from Charcot Marie Tooth Patients. Brain Sciences, 2020, 10, 407.	1.1	7
62	Clinical features of homozygous FIG4â€p.Ile41Thr Charcotâ€Marieâ€Tooth 4J patients. Annals of Clinical and Translational Neurology, 2021, 8, 471-476.	1.7	7
63	A new orthotopic model of human breast cancer in immunocompetent rats. Anticancer Research, 2003, 23, 3761-6.	0.5	7
64	Metabolic alterations of uterine grafts after extended cold ischemic storage: experimental study in ewes. Molecular Human Reproduction, 2019, 25, 647-659.	1.3	6
65	Implication of the SH3TC2 gene in Charcot-Marie-Tooth disease associated with deafness and/or scoliosis: Illustration with four new pathogenic variants. Journal of the Neurological Sciences, 2019, 406, 116376.	0.3	6
66	Pharmacoresistant Epilepsy in Childhood: Think of the Cerebral Folate Deficiency, a Treatable Disease. Brain Sciences, 2020, 10, 762.	1.1	6
67	The Cholecystokinin Type 2 Receptor, a Pharmacological Target for Pain Management. Pharmaceuticals, 2021, 14, 1185.	1.7	6
68	A new rat model of prenatal bowel obstruction: development and early assessment. Journal of Pediatric Surgery, 2010, 45, 499-506.	0.8	5
69	New PRPS1 variant p.(Met68Leu) located in the dimerization area identified in a French CMTX5 patient. Molecular Genetics & Genomic Medicine, 2019, 7, e875.	0.6	5
70	A case report of a mild form of multiple acyl-CoA dehydrogenase deficiency due to compound heterozygous mutations in the ETFA gene. BMC Medical Genomics, 2020, 13, 12.	0.7	5
71	Neuroprotective Effect of Ramipril Is Mediated by AT2 in a Mouse MODEL of Paclitaxel-Induced Peripheral Neuropathy. Pharmaceutics, 2022, 14, 848.	2.0	5
72	Renin-Angiotensin-System Inhibitors for the Prevention of Chemotherapy-Induced Peripheral Neuropathy: OncoToxSRA, a Preliminary Cohort Study. Journal of Clinical Medicine, 2022, 11, 2939.	1.0	5

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73	A quantitative RT-PCR method to determine topoisomerase I mRNA levels in human tissue samples. Clinical Chemistry and Laboratory Medicine, 2005, 43, 707-14.	1.4	4
74	Deciphering the links between psychological stress, depression, and neurocognitive decline in patients with Down syndrome. Neurobiology of Stress, 2021, 14, 100305.	1.9	4
75	PHGPx overexpression induces an increase in COX-2 activity in colon carcinoma cells. Anticancer Research, 2004, 24, 1387-92.	0.5	4
76	Parameters Influencing the Efficiency of the Thymidine Kinase/Ganciclovir Strategy in Human Glioblastoma Cell Lines. Stereotactic and Functional Neurosurgery, 1997, 68, 252-257.	0.8	3
77	In Vivo Follow-up of Rat Tumor Models with 2-Deoxy-2-[F-18]fluoro-d-glucose/Dual-Head Coincidence Gamma Camera Imaging. Molecular Imaging and Biology, 2005, 7, 220-228.	1.3	3
78	One Multilocus Genomic Variation Is Responsible for a Severe Charcotâ€“Marieâ€“Tooth Axonal Form. Brain Sciences, 2020, 10, 986.	1.1	3
79	From Negative to Positive Diagnosis: Structural Variation Could Be the Second Mutation You Are Looking for in a Recessive Autosomal Gene. Journal of Personalized Medicine, 2022, 12, 212.	1.1	3
80	Modelization of Motor Nerve Conduction Velocities for Charcot-Marie-Tooth (Type-1) Patients. European Neurology, 1996, 36, 224-228.	0.6	2
81	Multiplex Detection and Genotyping of Point Mutations Involved in Charcot-Marie-Tooth Disease Using a Hairpin Microarray-Based Assay. Research Letters in Biochemistry, 2009, 2009, 1-5.	0.0	2
82	Les fils rÃ©sorbables en orthopÃ©dieÂ: de lâ€™implantation Ã la rÃ©sorption. Revue De Chirurgie Orthopedique Et Traumatologique, 2015, 101, 587-592.	0.0	2
83	New structural variations responsible for Charcot-Marie-Tooth disease: The first two large KIF5A deletions detected by CovCopCan software. Computational and Structural Biotechnology Journal, 2021, 19, 4265-4272.	1.9	2
84	Involvement of the enteroendocrine system in intestinal obstruction. PLoS ONE, 2017, 12, e0186507.	1.1	2
85	A Nonviral Cytoplasmic T7 Autogene System and Its Applications in DNA Vaccination. , 2000, 29, 323-334.		1
86	Intra-articular Gentamicin-loaded PLA Microparticle Injection for the Treatment of Septic Arthritis in Rabbits. Journal of the American Academy of Orthopaedic Surgeons, The, 2018, 26, e349-e356.	1.1	1
87	Anomalies ultrastructurales des mitochondries axonales chez des patients atteints de formes prÃ©coces de maladie de Charcot-Marie-Tooth dues Ã des mutations de la mitofusine 2. Bulletin De L'Academie Nationale De Medecine, 2009, 193, 151-161.	0.0	1
88	Epithelial changes of congenital intestinal obstruction in a rat model. PLoS ONE, 2020, 15, e0232023.	1.1	0
89	P2-074: mRNA expression of HIF1alpha and XRCC4 in lung cancer and its peritumoral normal tissue. Journal of Thoracic Oncology, 2007, 2, S520.	0.5	0
90	Interpretation of the toxicological findings in a probably Energy drink intake-related fatality. Toxicologie Analytique Et Clinique, 2020, 32, 223-227.	0.1	0

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91	Psychomotor development in infants and young children with Down syndromeâ€"A prospective, repeated measure, postâ€hoc analysis. American Journal of Medical Genetics, Part A, 2022, 188, 818-827.	0.7	0
92	Epithelial changes of congenital intestinal obstruction in a rat model. , 2020, 15, e0232023.		0
93	Epithelial changes of congenital intestinal obstruction in a rat model. , 2020, 15, e0232023.		0
94	Epithelial changes of congenital intestinal obstruction in a rat model. , 2020, 15, e0232023.		0
95	Epithelial changes of congenital intestinal obstruction in a rat model. , 2020, 15, e0232023.		0
96	Epithelial changes of congenital intestinal obstruction in a rat model. , 2020, 15, e0232023.		0
97	Epithelial changes of congenital intestinal obstruction in a rat model. , 2020, 15, e0232023.		0