

Xandra O Breakefield

List of Publications by Year in Descending Order

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Version: 2024-04-25

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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.

310
papers

37,295
citations

94
h-index

189
g-index

320
ext. papers

44,453
ext. citations

9.5
avg, IF

7.32
L-index

#	Paper	IF	Citations
310	Using genetically modified extracellular vesicles as a non-invasive strategy to evaluate brain-specific cargo.. <i>Biomaterials</i> , 2022 , 281, 121366	15.6	1
309	CRISPR-Cas knockout of miR21 reduces glioma growth.. <i>Molecular Therapy - Oncolytics</i> , 2022 , 25, 121-136	6.4	0
308	Uptake, functionality, and re-release of extracellular vesicle-encapsulated cargo.. <i>Cell Reports</i> , 2022 , 39, 110651	10.6	4
307	Exogenous loading of extracellular vesicles, virus-like particles, and lentiviral vectors with supercharged proteins.. <i>Communications Biology</i> , 2022 , 5, 485	6.7	0
306	TAF1 Transcripts and Neurofilament Light Chain as Biomarkers for X-linked Dystonia-Parkinsonism. <i>Movement Disorders</i> , 2021 , 36, 206-215	7	3
305	Extracellular Vesicle-Mediated Bilateral Communication between Glioblastoma and Astrocytes. <i>Trends in Neurosciences</i> , 2021 , 44, 215-226	13.3	6
304	Gene therapy for tuberous sclerosis complex type 2 in a mouse model by delivery of AAV9 encoding a condensed form of tuberin. <i>Science Advances</i> , 2021 , 7,	14.3	7
303	OMRT-2. Liquid biopsy for patient stratification and monitoring of dacomitinib clinical trial in patients with EGFR amplified recurrent glioblastoma. <i>Neuro-Oncology Advances</i> , 2021 , 3, ii7-ii7	0.9	78
302	Living Proof of Activity of Extracellular Vesicles in the Central Nervous System. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
301	AAV9 transduction mediated by systemic delivery of vector via retro-orbital injection in newborn, neonatal and juvenile mice. <i>Experimental Animals</i> , 2021 , 70, 450-458	1.8	0
300	Versatile Role of Rab27a in Glioma: Effects on Release of Extracellular Vesicles, Cell Viability, and Tumor Progression. <i>Frontiers in Molecular Biosciences</i> , 2020 , 7, 554649	5.6	1
299	Mutant Allele-Specific CRISPR Disruption in DYT1 Dystonia Fibroblasts Restores Cell Function. <i>Molecular Therapy - Nucleic Acids</i> , 2020 , 21, 1-12	10.7	3
298	RNA delivery by extracellular vesicles in mammalian cells and its applications. <i>Nature Reviews Molecular Cell Biology</i> , 2020 , 21, 585-606	48.7	410
297	GlioM&M: Web-based tool for studying circulating and infiltrating monocytes and macrophages in glioma. <i>Scientific Reports</i> , 2020 , 10, 9898	4.9	5
296	Glioblastomas exploit truncated Olinked glycans for local and distant immune modulation via the macrophage galactose-type lectin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 3693-3703	11.5	29
295	Glioma-Derived miRNA-Containing Extracellular Vesicles Induce Angiogenesis by Reprogramming Brain Endothelial Cells. <i>Cell Reports</i> , 2020 , 30, 2065-2074.e4	10.6	58
294	Discovery and Verification of Extracellular miRNA Biomarkers for Non-invasive Prediction of Pre-eclampsia in Asymptomatic Women. <i>Cell Reports Medicine</i> , 2020 , 1,	18	13

293	Exosome/microvesicle content is altered in leucine-rich repeat kinase 2 mutant induced pluripotent stem cell-derived neural cells. <i>Journal of Comparative Neurology</i> , 2020 , 528, 1203-1215	3.4	6
292	Large and small extracellular vesicles released by glioma cells and. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1689784	16.4	30
291	Glioblastoma hijacks microglial gene expression to support tumor growth. <i>Journal of Neuroinflammation</i> , 2020 , 17, 120	10.1	30
290	Glioblastoma-Associated Microglia Reprogramming Is Mediated by Functional Transfer of Extracellular miR-21. <i>Cell Reports</i> , 2019 , 28, 3105-3119.e7	10.6	89
289	Long-Term Therapeutic Efficacy of Intravenous AAV-Mediated Hamartin Replacement in Mouse Model of Tuberous Sclerosis Type 1. <i>Molecular Therapy - Methods and Clinical Development</i> , 2019 , 15, 18-26	6.4	9
288	High levels of AAV vector integration into CRISPR-induced DNA breaks. <i>Nature Communications</i> , 2019 , 10, 4439	17.4	119
287	Advances in therapeutic applications of extracellular vesicles. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	343
286	The Extracellular RNA Communication Consortium: Establishing Foundational Knowledge and Technologies for Extracellular RNA Research. <i>Cell</i> , 2019 , 177, 231-242	56.2	91
285	Small RNA Sequencing across Diverse Biofluids Identifies Optimal Methods for exRNA Isolation. <i>Cell</i> , 2019 , 177, 446-462.e16	56.2	142
284	Methods for Systematic Identification of Membrane Proteins for Specific Capture of Cancer-Derived Extracellular Vesicles. <i>Cell Reports</i> , 2019 , 27, 255-268.e6	10.6	24
283	Imaging flow cytometry facilitates multiparametric characterization of extracellular vesicles in malignant brain tumours. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1588555	16.4	53
282	Glioma EVs Contribute to Immune Privilege in the Brain. <i>Trends in Cancer</i> , 2019 , 5, 393-396	12.5	11
281	Membrane-bound Gaussia luciferase as a tool to track shedding of membrane proteins from the surface of extracellular vesicles. <i>Scientific Reports</i> , 2019 , 9, 17387	4.9	10
280	Characterization of single microvesicles in plasma from glioblastoma patients. <i>Neuro-Oncology</i> , 2019 , 21, 606-615	1	48
279	Dissecting the Causal Mechanism of X-Linked Dystonia-Parkinsonism by Integrating Genome and Transcriptome Assembly. <i>Cell</i> , 2018 , 172, 897-909.e21	56.2	106
278	Immune evasion mediated by PD-L1 on glioblastoma-derived extracellular vesicles. <i>Science Advances</i> , 2018 , 4, eaar2766	14.3	254
277	Mutant torsinA in the heterozygous DYT1 state compromises HSV propagation in infected neurons and fibroblasts. <i>Scientific Reports</i> , 2018 , 8, 2324	4.9	6
276	New Technologies for Analysis of Extracellular Vesicles. <i>Chemical Reviews</i> , 2018 , 118, 1917-1950	68.1	581

275	Multiplexed Profiling of Single Extracellular Vesicles. <i>ACS Nano</i> , 2018 , 12, 494-503	16.7	167
274	Engineered nanointerfaces for microfluidic isolation and molecular profiling of tumor-specific extracellular vesicles. <i>Nature Communications</i> , 2018 , 9, 175	17.4	158
273	CRISPR/Cas9 Mediated Disruption of the Swedish APP Allele as a Therapeutic Approach for Early-Onset Alzheimer's Disease. <i>Molecular Therapy - Nucleic Acids</i> , 2018 , 11, 429-440	10.7	71
272	Preclinical investigation of combined gene-mediated cytotoxic immunotherapy and immune checkpoint blockade in glioblastoma. <i>Neuro-Oncology</i> , 2018 , 20, 225-235	1	38
271	Multidimensional communication in the microenvirons of glioblastoma. <i>Nature Reviews Neurology</i> , 2018 , 14, 482-495	15	189
270	TMIC-28. GLIOBLASTOMA EXPLOITS CELL SURFACE GLYCOSYLATION-MEDIATED IMMUNE REGULATORY CIRCUITS FOR IMMUNE ESCAPE. <i>Neuro-Oncology</i> , 2018 , 20, vi262-vi262	1	1
269	Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. <i>Journal of Extracellular Vesicles</i> , 2018 , 7, 1535750	16.4	3642
268	Secretion and Uptake of β Synuclein Via Extracellular Vesicles in Cultured Cells. <i>Cellular and Molecular Neurobiology</i> , 2018 , 38, 1539-1550	4.6	42
267	Analysis of extracellular mRNA in human urine reveals splice variant biomarkers of muscular dystrophies. <i>Nature Communications</i> , 2018 , 9, 3906	17.4	25
266	Viral vectors for therapy of neurologic diseases. <i>Neuropharmacology</i> , 2017 , 120, 63-80	5.5	95
265	Rescue of Hearing by Gene Delivery to Inner-Ear Hair Cells Using Exosome-Associated AAV. <i>Molecular Therapy</i> , 2017 , 25, 379-391	11.7	122
264	Detection of wild-type EGFR amplification and EGFRvIII mutation in CSF-derived extracellular vesicles of glioblastoma patients. <i>Neuro-Oncology</i> , 2017 , 19, 1494-1502	1	115
263	Extracellular Vesicles: Unique Intercellular Delivery Vehicles. <i>Trends in Cell Biology</i> , 2017 , 27, 172-188	18.3	683
262	Coding and noncoding landscape of extracellular RNA released by human glioma stem cells. <i>Nature Communications</i> , 2017 , 8, 1145	17.4	260
261	Disease onset in X-linked dystonia-parkinsonism correlates with expansion of a hexameric repeat within an SVA retrotransposon in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E11020-E11028	11.5	70
260	Directly visualized glioblastoma-derived extracellular vesicles transfer RNA to microglia/macrophages in the brain. <i>Neuro-Oncology</i> , 2016 , 18, 58-69	1	192
259	Decreased N-TAF1 expression in X-linked dystonia-parkinsonism patient-specific neural stem cells. <i>DMM Disease Models and Mechanisms</i> , 2016 , 9, 451-62	4.1	25
258	β Synuclein in Extracellular Vesicles: Functional Implications and Diagnostic Opportunities. <i>Cellular and Molecular Neurobiology</i> , 2016 , 36, 437-48	4.6	46

257	SCS macrophages suppress melanoma by restricting tumor-derived vesicle-B cell interactions. <i>Science</i> , 2016 , 352, 242-6	33.3	188
256	Delivery of Therapeutic Proteins via Extracellular Vesicles: Review and Potential Treatments for Parkinson's Disease, Glioma, and Schwannoma. <i>Cellular and Molecular Neurobiology</i> , 2016 , 36, 417-27	4.6	64
255	Extracellular vesicles and intercellular communication within the nervous system. <i>Journal of Clinical Investigation</i> , 2016 , 126, 1198-207	15.9	130
254	567. CRISPR-Cas9 Mediated Gene Editing in a Monogenic Form of Alzheimer's Disease. <i>Molecular Therapy</i> , 2016 , 24, S226-S227	11.7	7
253	Potential Transfer of Polyglutamine and CAG-Repeat RNA in Extracellular Vesicles in Huntington's Disease: Background and Evaluation in Cell Culture. <i>Cellular and Molecular Neurobiology</i> , 2016 , 36, 459-70	4.6	48
252	Extracellular Vesicles from High-Grade Glioma Exchange Diverse Pro-oncogenic Signals That Maintain Intratumoral Heterogeneity. <i>Cancer Research</i> , 2016 , 76, 2876-81	10.1	69
251	Extracellular vesicles derived from human vestibular schwannomas associated with poor hearing damage cochlear cells. <i>Neuro-Oncology</i> , 2016 , 18, 1498-1507	1	24
250	Adenoassociated virus serotype 9-mediated gene therapy for x-linked adrenoleukodystrophy. <i>Molecular Therapy</i> , 2015 , 23, 824-834	11.7	37
249	Survival benefit and phenotypic improvement by hamartin gene therapy in a tuberous sclerosis mouse brain model. <i>Neurobiology of Disease</i> , 2015 , 82, 22-31	7.5	12
248	Extracellular Vesicles: Composition, Biological Relevance, and Methods of Study. <i>BioScience</i> , 2015 , 65, 783-797	5.7	459
247	Chip-based analysis of exosomal mRNA mediating drug resistance in glioblastoma. <i>Nature Communications</i> , 2015 , 6, 6999	17.4	363
246	Visualization and tracking of tumour extracellular vesicle delivery and RNA translation using multiplexed reporters. <i>Nature Communications</i> , 2015 , 6, 7029	17.4	345
245	Mutant human torsinA, responsible for early-onset dystonia, dominantly suppresses GTPCH expression, dopamine levels and locomotion in <i>Drosophila melanogaster</i> . <i>Biology Open</i> , 2015 , 4, 585-95	2.2	1
244	Therapeutic applications of extracellular vesicles: clinical promise and open questions. <i>Annual Review of Pharmacology and Toxicology</i> , 2015 , 55, 439-464	17.9	338
243	New methods for investigation of neuronal migration in embryonic brain explants. <i>Journal of Neuroscience Methods</i> , 2015 , 239, 80-4	3	11
242	Meeting report: discussions and preliminary findings on extracellular RNA measurement methods from laboratories in the NIH Extracellular RNA Communication Consortium. <i>Journal of Extracellular Vesicles</i> , 2015 , 4, 26533	16.4	45
241	Heparin affinity purification of extracellular vesicles. <i>Scientific Reports</i> , 2015 , 5, 10266	4.9	113
240	New insights and updated guidelines for epigenome-wide association studies. <i>Neuroepigenetics</i> , 2015 , 1, 14-19		20

239	Extracellular vesicles: emerging targets for cancer therapy. <i>Trends in Molecular Medicine</i> , 2014 , 20, 385-93	1.5	277
238	Noninvasive in vivo monitoring of extracellular vesicles. <i>Methods in Molecular Biology</i> , 2014 , 1098, 249-58	4	33
237	Gene therapy for the nervous system: challenges and new strategies. <i>Neurotherapeutics</i> , 2014 , 11, 817-30	4	58
236	Emerging roles of extracellular vesicles in the nervous system. <i>Journal of Neuroscience</i> , 2014 , 34, 15482-8	6	166
235	Dynamic biodistribution of extracellular vesicles in vivo using a multimodal imaging reporter. <i>ACS Nano</i> , 2014 , 8, 483-494	16.7	454
234	Biochemical and cellular analysis of human variants of the DYT1 dystonia protein, TorsinA/TOR1A. <i>Human Mutation</i> , 2014 , 35, 1101-13	4.7	17
233	Microfluidic platform to evaluate migration of cells from patients with DYT1 dystonia. <i>Journal of Neuroscience Methods</i> , 2014 , 232, 181-188	3	9
232	Extracellular RNA mediates and marks cancer progression. <i>Seminars in Cancer Biology</i> , 2014 , 28, 14-23	12.7	52
231	Regression of schwannomas induced by adeno-associated virus-mediated delivery of caspase-1. <i>Human Gene Therapy</i> , 2013 , 24, 152-62	4.8	17
230	Translating the genomics revolution: the need for an international gene therapy consortium for monogenic diseases. <i>Molecular Therapy</i> , 2013 , 21, 266-8	11.7	11
229	Extracellular vesicles: biology and emerging therapeutic opportunities. <i>Nature Reviews Drug Discovery</i> , 2013 , 12, 347-57	64.1	1894
228	Heparin blocks transfer of extracellular vesicles between donor and recipient cells. <i>Journal of Neuro-Oncology</i> , 2013 , 115, 343-51	4.8	122
227	MiR-21 in the extracellular vesicles (EVs) of cerebrospinal fluid (CSF): a platform for glioblastoma biomarker development. <i>PLoS ONE</i> , 2013 , 8, e78115	3.7	206
226	Genetically engineered microvesicles carrying suicide mRNA/protein inhibit schwannoma tumor growth. <i>Molecular Therapy</i> , 2013 , 21, 101-8	11.7	231
225	BEAMing and Droplet Digital PCR Analysis of Mutant IDH1 mRNA in Glioma Patient Serum and Cerebrospinal Fluid Extracellular Vesicles. <i>Molecular Therapy - Nucleic Acids</i> , 2013 , 2, e109	10.7	230
224	Dopa-responsive dystonia: functional analysis of single nucleotide substitutions within the 5P untranslated GCH1 region. <i>PLoS ONE</i> , 2013 , 8, e76975	3.7	3
223	Stochastic model of Tsc1 lesions in mouse brain. <i>PLoS ONE</i> , 2013 , 8, e64224	3.7	12
222	RNA expression patterns in serum microvesicles from patients with glioblastoma multiforme and controls. <i>BMC Cancer</i> , 2012 , 12, 22	4.8	149

221	Protein typing of circulating microvesicles allows real-time monitoring of glioblastoma therapy. <i>Nature Medicine</i> , 2012 , 18, 1835-40	50.5	521
220	Microvesicle-associated AAV vector as a novel gene delivery system. <i>Molecular Therapy</i> , 2012 , 20, 960-711	11.7	188
219	Extracellular vesicles and their convergence with viral pathways. <i>Advances in Virology</i> , 2012 , 2012, 767694	9	92
218	miR-1289 and "Zipcode"-like Sequence Enrich mRNAs in Microvesicles. <i>Molecular Therapy - Nucleic Acids</i> , 2012 , 1, e10	10.7	195
217	Vesiclepedia: a compendium for extracellular vesicles with continuous community annotation. <i>PLoS Biology</i> , 2012 , 10, e1001450	9.7	800
216	Refocus the recombinant DNA advisory committee. <i>Nature Medicine</i> , 2012 , 18, 1007	50.5	0
215	Untethering the nuclear envelope and cytoskeleton: biologically distinct dystonias arising from a common cellular dysfunction. <i>International Journal of Cell Biology</i> , 2012 , 2012, 634214	2.6	17
214	In vivo tomographic imaging of red-shifted fluorescent proteins. <i>Biomedical Optics Express</i> , 2011 , 2, 887-900	3.9	23
213	Tumour microvesicles contain retrotransposon elements and amplified oncogene sequences. <i>Nature Communications</i> , 2011 , 2, 180	17.4	765
212	Down-regulation of miR-101 in endothelial cells promotes blood vessel formation through reduced repression of EZH2. <i>PLoS ONE</i> , 2011 , 6, e16282	3.7	85
211	Dtorsin, the Drosophila ortholog of the early-onset dystonia TOR1A (DYT1), plays a novel role in dopamine metabolism. <i>PLoS ONE</i> , 2011 , 6, e26183	3.7	21
210	Molecular pathways in dystonia. <i>Neurobiology of Disease</i> , 2011 , 42, 136-47	7.5	69
209	Gesicles: Microvesicle "cookies" for transient information transfer between cells. <i>Molecular Therapy</i> , 2011 , 19, 1574-6	11.7	35
208	Brain tumor microvesicles: insights into intercellular communication in the nervous system. <i>Cellular and Molecular Neurobiology</i> , 2011 , 31, 949-59	4.6	86
207	A novel imaging-compatible sciatic nerve schwannoma model. <i>Journal of Neuroscience Methods</i> , 2011 , 195, 75-7	3	11
206	miRNA-7 attenuation in Schwannoma tumors stimulates growth by upregulating three oncogenic signaling pathways. <i>Cancer Research</i> , 2011 , 71, 852-61	10.1	131
205	TorsinA participates in endoplasmic reticulum-associated degradation. <i>Nature Communications</i> , 2011 , 2, 393	17.4	79
204	Genetic therapy for the nervous system. <i>Human Molecular Genetics</i> , 2011 , 20, R28-41	5.6	58

203	miRNA signature of schwannomas: possible role(s) of "tumor suppressor" miRNAs in benign tumors. <i>Oncotarget</i> , 2011 , 2, 265-70	3.3	19
202	The early-onset torsion dystonia-associated protein, torsinA, is a homeostatic regulator of endoplasmic reticulum stress response. <i>Human Molecular Genetics</i> , 2010 , 19, 3502-15	5.6	79
201	Chemical enhancement of torsinA function in cell and animal models of torsion dystonia. <i>DMM Disease Models and Mechanisms</i> , 2010 , 3, 386-96	4.1	47
200	Healing genes in the nervous system. <i>Neuron</i> , 2010 , 68, 178-81	13.9	3
199	Microfluidic isolation and transcriptome analysis of serum microvesicles. <i>Lab on A Chip</i> , 2010 , 10, 505-11	7.2	377
198	Tannous et al. Respond. <i>Molecular Therapy</i> , 2009 , 17, 1311-1312	11.7	1
197	Mutant sodium channel for tumor therapy. <i>Molecular Therapy</i> , 2009 , 17, 810-9	11.7	17
196	Downregulated microRNA-200a in meningiomas promotes tumor growth by reducing E-cadherin and activating the Wnt/beta-catenin signaling pathway. <i>Molecular and Cellular Biology</i> , 2009 , 29, 5923-40	4.8	207
195	The pathophysiological basis of dystonias. <i>Nature Reviews Neuroscience</i> , 2008 , 9, 222-34	13.5	358
194	Glioblastoma microvesicles transport RNA and proteins that promote tumour growth and provide diagnostic biomarkers. <i>Nature Cell Biology</i> , 2008 , 10, 1470-6	23.4	3575
193	A secreted luciferase for ex vivo monitoring of in vivo processes. <i>Nature Methods</i> , 2008 , 5, 171-3	21.6	235
192	miR-296 regulates growth factor receptor overexpression in angiogenic endothelial cells. <i>Cancer Cell</i> , 2008 , 14, 382-93	24.3	375
191	Animal models for drug discovery in dystonia. <i>Expert Opinion on Drug Discovery</i> , 2008 , 3, 83-97	6.2	20
190	siRNA knock-down of mutant torsinA restores processing through secretory pathway in DYT1 dystonia cells. <i>Human Molecular Genetics</i> , 2008 , 17, 1436-45	5.6	54
189	TorsinA binds the KASH domain of nesprins and participates in linkage between nuclear envelope and cytoskeleton. <i>Journal of Cell Science</i> , 2008 , 121, 3476-86	5.3	137
188	Live visualization of herpes simplex virus type 1 compartment dynamics. <i>Journal of Virology</i> , 2008 , 82, 4974-90	6.6	50
187	Bimodal viral vectors and in vivo imaging reveal the fate of human neural stem cells in experimental glioma model. <i>Journal of Neuroscience</i> , 2008 , 28, 4406-13	6.6	87
186	Targeted integration of functional human ATM cDNA into genome mediated by HSV/AAV hybrid amplicon vector. <i>Molecular Therapy</i> , 2008 , 16, 81-8	11.7	27

185	Preventing growth of brain tumors by creating a zone of resistance. <i>Molecular Therapy</i> , 2008 , 16, 1695-702	7	34
184	TorsinA and DYT1 early-onset dystonia. <i>Future Neurology</i> , 2008 , 3, 61-72	1.5	1
183	A highly sensitive assay for monitoring the secretory pathway and ER stress. <i>PLoS ONE</i> , 2007 , 2, e571	3.7	109
182	Dopamine release is impaired in a mouse model of DYT1 dystonia. <i>Journal of Neurochemistry</i> , 2007 , 102, 783-8	6	100
181	Mutant torsinA interferes with protein processing through the secretory pathway in DYT1 dystonia cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 7271-6	11.5	112
180	Developmental patterns of torsinA and torsinB expression. <i>Brain Research</i> , 2006 , 1073-1074, 139-45	3.7	40
179	Dystonia-causing mutant torsinA inhibits cell adhesion and neurite extension through interference with cytoskeletal dynamics. <i>Neurobiology of Disease</i> , 2006 , 22, 98-111	7.5	88
178	HSV amplicon vectors for cancer therapy. <i>Current Gene Therapy</i> , 2006 , 6, 361-70	4.3	17
177	Degradation of fibrillar collagen in a human melanoma xenograft improves the efficacy of an oncolytic herpes simplex virus vector. <i>Cancer Research</i> , 2006 , 66, 2509-13	10.1	328
176	Treatment of schwannomas with an oncolytic recombinant herpes simplex virus in murine models of neurofibromatosis type 2. <i>Human Gene Therapy</i> , 2006 , 17, 20-30	4.8	34
175	Effects of genetic variations in the dystonia protein torsinA: identification of polymorphism at residue 216 as protein modifier. <i>Human Molecular Genetics</i> , 2006 , 15, 1355-64	5.6	94
174	RNAi blocks DYT1 mutant torsinA inclusions in neurons. <i>Neuroscience Letters</i> , 2006 , 395, 201-5	3.3	18
173	Metabolic biotinylation of cell surface receptors for in vivo imaging. <i>Nature Methods</i> , 2006 , 3, 391-6	21.6	92
172	Genetic Evaluation in Primary Dystonia. <i>Medical Psychiatry</i> , 2006 , 21-44		2
171	Impaired motor learning in mice expressing torsinA with the DYT1 dystonia mutation. <i>Journal of Neuroscience</i> , 2005 , 25, 5351-5	6.6	114
170	In vivo imaging of S-TRAIL-mediated tumor regression and apoptosis. <i>Molecular Therapy</i> , 2005 , 11, 926-31	1.7	99
169	Glioma therapy and real-time imaging of neural precursor cell migration and tumor regression. <i>Annals of Neurology</i> , 2005 , 57, 34-41	9.4	170
168	Magnetic resonance imaging and characterization of spontaneous lesions in a transgenic mouse model of tuberous sclerosis as a model for endothelial cell-based transgene delivery. <i>Human Gene Therapy</i> , 2005 , 16, 1367-76	4.8	4

167	Codon-optimized <i>Gaussia</i> luciferase cDNA for mammalian gene expression in culture and in vivo. <i>Molecular Therapy</i> , 2005 , 11, 435-43	11.7	553
166	DYT1 Transgenic Mouse 2005 , 287-292		
165	Inducible release of TRAIL fusion proteins from a proapoptotic form for tumor therapy. <i>Cancer Research</i> , 2004 , 64, 3236-42	10.1	84
164	In vivo imaging of HIV protease activity in amplicon vector-transduced gliomas. <i>Cancer Research</i> , 2004 , 64, 273-8	10.1	44
163	Neural precursor cells and their role in neuro-oncology. <i>Developmental Neuroscience</i> , 2004 , 26, 118-30	2.2	21
162	TorsinA in the nuclear envelope. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 7612-7	11.5	191
161	HSV-1 virions engineered for specific binding to cell surface receptors. <i>Molecular Therapy</i> , 2004 , 9, 419-27	11.7	37
160	TorsinB--perinuclear location and association with torsinA. <i>Journal of Neurochemistry</i> , 2004 , 89, 1186-94	6	30
159	Refined linkage to the RDP/DYT12 locus on 19q13.2 and evaluation of GRIK5 as a candidate gene. <i>Movement Disorders</i> , 2004 , 19, 845-847	7	9
158	A novel method for imaging apoptosis using a caspase-1 near-infrared fluorescent probe. <i>Neoplasia</i> , 2004 , 6, 95-105	6.4	82
157	Update on herpesvirus amplicon vectors. <i>Molecular Therapy</i> , 2004 , 10, 630-43	11.7	55
156	Inhibition of N-linked glycosylation prevents inclusion formation by the dystonia-related mutant form of torsinA. <i>Molecular and Cellular Neurosciences</i> , 2004 , 27, 417-26	4.8	26
155	Identification of a novel gene (HSN2) causing hereditary sensory and autonomic neuropathy type II through the Study of Canadian Genetic Isolates. <i>American Journal of Human Genetics</i> , 2004 , 74, 1064-73	11	111
154	The early onset dystonia protein torsinA interacts with kinesin light chain 1. <i>Journal of Biological Chemistry</i> , 2004 , 279, 19882-92	5.4	70
153	Herpes simplex virus type 1 amplicons and their hybrid virus partners, EBV, AAV, and retrovirus. <i>Current Gene Therapy</i> , 2004 , 4, 385-408	4.3	47
152	Dopamine transmission in DYT1 dystonia. <i>Advances in Neurology</i> , 2004 , 94, 53-60		24
151	TorsinA and early-onset torsion dystonia. <i>Advances in Neurology</i> , 2004 , 94, 87-93		6
150	Single HSV-amplicon vector mediates drug-induced gene expression via dimerizer system. <i>Molecular Therapy</i> , 2003 , 7, 790-800	11.7	24

149	Potentiated gene delivery to tumors using herpes simplex virus/Epstein-Barr virus/RV tribrid amplicon vectors. <i>Human Gene Therapy</i> , 2003 , 14, 611-26	4.8	21
148	A heteroplasmic mitochondrial complex I gene mutation in adult-onset dystonia. <i>Neurogenetics</i> , 2003 , 4, 199-205	3	32
147	Distribution and ultrastructural localization of torsinA immunoreactivity in the human brain. <i>Brain Research</i> , 2003 , 986, 12-21	3.7	48
146	HSV-1 amplicon peptide display vector. <i>Journal of Virological Methods</i> , 2003 , 107, 71-9	2.6	11
145	TorsinA in PC12 cells: localization in the endoplasmic reticulum and response to stress. <i>Journal of Neuroscience Research</i> , 2003 , 72, 158-68	4.4	101
144	Real-time imaging of TRAIL-induced apoptosis of glioma tumors in vivo. <i>Oncogene</i> , 2003 , 22, 6865-72	9.2	121
143	Viral vectors for gene delivery to the nervous system. <i>Nature Reviews Neuroscience</i> , 2003 , 4, 353-64	13.5	268
142	Intravascular delivery of neural stem cell lines to target intracranial and extracranial tumors of neural and non-neural origin. <i>Human Gene Therapy</i> , 2003 , 14, 1777-85	4.8	147
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