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Effects of all-trans-retinoic acid on human SH-SY5Y neuroblastoma as in vitro model in neurotoxicity research

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#	Paper	IF	Citations
417	Twenty-first century challenges for in vitro neurotoxicity. 2009 , 37, 367-75		13
416	Alpha-synuclein knockdown attenuates MPP+ induced mitochondrial dysfunction of SH-SY5Y cells. 2009 , 1292, 173-9		21
415	Can cellular models revolutionize drug discovery in Parkinson's disease?. 2009 , 1792, 1043-51		44
414	Variable toxicological response to the loss of OXPHOS through 1-methyl-4-phenylpyridinium-induced mitochondrial damage and anoxia in diverse neural immortal cell lines. 2010 , 26, 527-39		6
413	Protective effects of TRH and its analogues against various cytotoxic agents in retinoic acid (RA)-differentiated human neuroblastoma SH-SY5Y cells. 2010 , 44, 495-508		20
412	Comparison between proliferative and neuron-like SH-SY5Y cells as an in vitro model for Parkinson disease studies. 2010 , 1337, 85-94		239
411	Toxicological and pathophysiological roles of reactive oxygen and nitrogen species. 2010 , 276, 85-94		138
410	Bactenecin 7 peptide fragment as a tool for intracellular delivery of a phosphorescent oxygen sensor. 2010 , 277, 4651-61		30
409	Wenig Gift Viel Kontakt. 2010 , 58, 1049-1051		
408	A pro-drug of the green tea polyphenol (-)-epigallocatechin-3-gallate (EGCG) prevents differentiated SH-SY5Y cells from toxicity induced by 6-hydroxydopamine. 2010 , 469, 360-4		42
407	Why SH-SY5Y cells should be differentiated. <i>NeuroToxicology</i> , 2010 , 31, 164-5; author reply 165-6	4.4	17
406	Negative regulation of neuronal cell differentiation by INHAT subunit SET/TAF-I. 2010 , 400, 419-25		14
405	Avian influenza H5N1 virus induces cytopathy and proinflammatory cytokine responses in human astrocytic and neuronal cell lines. 2010 , 168, 613-23		25
404	Neuroprotective effect of neuropeptide Y against β -amyloid 25-35 toxicity in SH-SY5Y neuroblastoma cells is associated with increased neurotrophin production. 2011 , 8, 300-9		35
403	The design and delivery of a thermally responsive peptide to inhibit S100B-mediated neurodegeneration. 2011 , 197, 369-80		34
402	Nonlethal aluminum maltolate can reduce brain-derived neurotrophic factor-induced Arc expression through interrupting the ERK signaling in SH-SY5Y neuroblastoma cells. 2011 , 200, 67-76		17
401	Cystine glutamate exchanger upregulation by retinoic acid induces neuroprotection in neural stem cells. 2011 , 22, 598-602		12

400	Temporal relationship of autophagy and apoptosis in neurons challenged by low molecular weight amyloid peptide. 2011 , 15, 244-57	17
399	Differentiation of SH-SY5Y cells to a neuronal phenotype changes cellular bioenergetics and the response to oxidative stress. 2011 , 51, 2007-17	131
398	Neurotoxic effects by silica TM nanoparticle is independent of differentiation of SH-SY5Y cells. 2011 , 7, 381-388	10
397	Carnosine protects against the neurotoxic effects of a serotonin-derived melanoid. 2011 , 36, 467-75	9
396	Efficacy of novel acridine derivatives in the inhibition of hPrP90-231 prion protein fragment toxicity. 2011 , 19, 556-74	29
395	Differentiated neuroblastoma cells provide a highly efficient model for studies of productive varicella-zoster virus infection of neuronal cells. 2011 , 85, 8436-42	39
394	Investigation of in vitro cytotoxicity of the redox state of ionic iron in neuroblastoma cells. 2012 , 3, 301-10	34
393	Dissociation of ERK signalling inhibition from the anti-amyloidogenic action of synthetic ceramide analogues. 2012 , 122, 409-19	6
392	Cybrids for Mitochondrial DNA Pharmacogenomics. 2012 , 73, 453-460	2
391	Smilagenin attenuates beta amyloid (25-35)-induced degeneration of neuronal cells via stimulating the gene expression of brain-derived neurotrophic factor. 2012 , 210, 275-85	19
390	Redox characterization of usnic acid and its cytotoxic effect on human neuron-like cells (SH-SY5Y). 2012 , 26, 304-14	44
389	Effect of graphene oxide on undifferentiated and retinoic acid-differentiated SH-SY5Y cells line. 2012 , 4, 3861-6	140
388	Chrysotoxine, a novel bibenzyl compound selectively antagonizes MPP+, but not rotenone, neurotoxicity in dopaminergic SH-SY5Y cells. 2012 , 521, 76-81	29
387	Lonicera japonica THUNB. protects 6-hydroxydopamine-induced neurotoxicity by inhibiting activation of MAPKs, PI3K/Akt, and NF- κ B in SH-SY5Y cells. 2012 , 50, 797-807	34
386	Early post-treatment with 9-cis retinoic acid reduces neurodegeneration of dopaminergic neurons in a rat model of Parkinson's disease. 2012 , 13, 120	33
385	Distinct effects of rotenone, 1-methyl-4-phenylpyridinium and 6-hydroxydopamine on cellular bioenergetics and cell death. 2012 , 7, e44610	87
384	Induced tauopathy in a novel 3D-culture model mediates neurodegenerative processes: a real-time study on biochips. 2012 , 7, e49150	24
383	Regulation of mammalian MOR-1 gene expression after chronic treatment with morphine. 2012 , 30, 1493-7	4

382	Evaluation of the neurotoxic/neuroprotective role of organoselenides using differentiated human neuroblastoma SH-SY5Y cell line challenged with 6-hydroxydopamine. 2012 , 22, 138-49	30
381	Retinoic acid-induced differentiation increases the rate of oxygen consumption and enhances the spare respiratory capacity of mitochondria in SH-SY5Y cells. 2012 , 133, 176-85	53
380	Neuroprotective effect of sesame seed oil in 6-hydroxydopamine induced neurotoxicity in mice model: cellular, biochemical and neurochemical evidence. 2012 , 37, 516-26	33
379	Nicotinamide N-methyltransferase expression in SH-SY5Y neuroblastoma and N27 mesencephalic neurones induces changes in cell morphology via ephrin-B2 and Akt signalling. 2013 , 4, e669	35
378	Considerations for the use of SH-SY5Y neuroblastoma cells in neurobiology. 2013 , 1078, 9-21	393
377	Do we really want to REACH out to in vitro?. <i>NeuroToxicology</i> , 2013 , 39, 169-72	4-4 24
376	Vitamin A and retinoid signaling: genomic and nongenomic effects. 2013 , 54, 1761-75	236
375	Optimising parameters for the differentiation of SH-SY5Y cells to study cell adhesion and cell migration. 2013 , 6, 366	88
374	Neurotoxicity of "ecstasy" and its metabolites in human dopaminergic differentiated SH-SY5Y cells. 2013 , 216, 159-70	31
373	Cytotoxicity and inhibition of intercellular interaction in N2a neurospheroids by perfluorooctanoic acid and perfluorooctanesulfonic acid. 2013 , 60, 520-9	12
372	Arylpiperazine-mediated activation of Akt protects SH-SY5Y neuroblastoma cells from 6-hydroxydopamine-induced apoptotic and autophagic death. 2013 , 72, 224-35	17
371	The extent of neurodegeneration and neuroprotection in two chemical in vitro models related to Parkinson's disease is critically dependent on cell culture conditions. 2013 , 24, 41-54	22
370	EB fatty acid eicosapentaenoic acid attenuates MPP+-induced neurodegeneration in fully differentiated human SH-SY5Y and primary mesencephalic cells. 2013 , 124, 855-68	23
369	Improved neural progenitor cell proliferation and differentiation on poly(lactide-co-glycolide) scaffolds coated with elastin-like polypeptide. 2013 , 101, 1329-39	19
368	Neuroprotective effects of nicotinamide N-methyltransferase and its metabolite 1-methylnicotinamide. 2013 , 27, 451-6	20
367	Parkinson's disease cybrids, differentiated or undifferentiated, maintain morphological and biochemical phenotypes different from those of control cybrids. 2013 , 91, 963-70	8
366	Phenotypic characterization of retinoic acid differentiated SH-SY5Y cells by transcriptional profiling. 2013 , 8, e63862	138
365	Cytokine receptor-like factor 1 (CRLF1) protects against 6-hydroxydopamine toxicity independent of the gp130/JAK signaling pathway. 2013 , 8, e66548	10

364	Differential Effects of Methyl-4-Phenylpyridinium Ion, Rotenone, and Paraquat on Differentiated SH-SY5Y Cells. 2013 , 2013, 347312	25
363	BDNF and the maturation of posttranscriptional regulatory networks in human SH-SY5Y neuroblast differentiation. 2014 , 8, 325	25
362	Neuroprotective properties of ciliary neurotrophic factor on retinoic acid (RA)-predifferentiated SH-SY5Y neuroblastoma cells. 2014 , 52, 121-7	7
361	Interferon Gamma potentiates the injury caused by MPP(+) on SH-SY5Y cells, which is attenuated by the nitric oxide synthases inhibition. 2014 , 39, 2452-64	12
360	Insulin blocks glutamate-induced neurotoxicity in differentiated SH-SY5Y neuronal cells. 2014 , 2014, 674164	28
359	Indole and synthetic derivative activate chaperone expression to reduce polyQ aggregation in SCA17 neuronal cell and slice culture models. 2014 , 8, 1929-39	6
358	Autophagy is modulated in human neuroblastoma cells through direct exposition to low frequency electromagnetic fields. 2014 , 229, 1776-86	45
357	Defining the action spectrum of potential PGC-1 β activators on a mitochondrial and cellular level in vivo. 2014 , 23, 2400-15	35
356	In vitro evaluation of the cytotoxic and apoptogenic properties of aloe whole leaf and gel materials. 2014 , 37, 169-77	16
355	Nuclear and extra-nuclear effects of retinoid acid receptors: how they are interconnected. 2014 , 70, 103-27	23
354	Neuroprotective effect of didymin on hydrogen peroxide-induced injury in the neuronal membrane system. 2014 , 199, 184-200	27
353	9-Cis retinoic acid protects against methamphetamine-induced neurotoxicity in nigrostriatal dopamine neurons. 2014 , 25, 248-61	17
352	Sphingosine kinase 1 and sphingosine-1-phosphate in oxidative stress evoked by 1-methyl-4-phenylpyridinium (MPP+) in human dopaminergic neuronal cells. 2014 , 50, 38-48	51
351	The contribution of Cdc2 in rotenone-induced G2/M arrest and caspase-3-dependent apoptosis. 2014 , 53, 31-40	8
350	Neuroprotective effect of steroidal alkaloids on glutamate-induced toxicity by preserving mitochondrial membrane potential and reducing oxidative stress. 2014 , 140, 106-15	39
349	The mixture of "ecstasy" and its metabolites is toxic to human SH-SY5Y differentiated cells at in vivo relevant concentrations. 2014 , 88, 455-73	39
348	Automated method for the rapid and precise estimation of adherent cell culture characteristics from phase contrast microscopy images. 2014 , 111, 504-17	83
347	Neuroprotective effects of metabotropic glutamate receptor group II and III activators against MPP(+)-induced cell death in human neuroblastoma SH-SY5Y cells: the impact of cell differentiation state. 2014 , 83, 36-53	45

346	Guarana (Paullinia cupana Mart.) prevents β -amyloid aggregation, generation of advanced glycation-end products (AGEs), and acrolein-induced cytotoxicity on human neuronal-like cells. 2014 , 28, 1615-24		22
345	Abnormal differentiation of dopaminergic neurons in zebrafish trpm7 mutant larvae impairs development of the motor pattern. 2014 , 386, 428-39		27
344	Activation of K(2)P channel-TREK1 mediates the neuroprotection induced by sevoflurane preconditioning. 2014 , 113, 157-67		28
343	Biologically synthesized silver nanoparticles induce neuronal differentiation of SH-SY5Y cells via modulation of reactive oxygen species, phosphatases, and kinase signaling pathways. 2014 , 9, 934-43		57
342	The potential of indole and a synthetic derivative for polyQ aggregation reduction by enhancement of the chaperone and autophagy systems. 2014 , 5, 1063-74		14
341	Force spectroscopy of membrane hardness of SH-SY5Y neuroblastoma cells before and after differentiation. 2014 , 64, 1595-1599		4
340	Mechanical stretch exacerbates the cell death in SH-SY5Y cells exposed to paraquat: mitochondrial dysfunction and oxidative stress. <i>NeuroToxicology</i> , 2014 , 41, 54-63	4-4	24
339	The Biochemistry of Retinoic Acid Receptors I: Structure, Activation, and Function at the Molecular Level. 2014 ,		2
338	Aqueous extract of <i>Gardenia jasminoides</i> targeting oxidative stress to reduce polyQ aggregation in cell models of spinocerebellar ataxia 3. 2014 , 81, 166-75		25
337	β -Arrestin1 and distinct CXCR4 structures are required for stromal derived factor-1 to downregulate CXCR4 cell-surface levels in neuroblastoma. 2014 , 85, 542-52		25
336	Salubrinal protects against rotenone-induced SH-SY5Y cell death via ATF4-parkin pathway. 2014 , 1549, 52-62		44
335	MicroRNA-432 contributes to dopamine cocktail and retinoic acid induced differentiation of human neuroblastoma cells by targeting NESTIN and RCOR1 genes. 2014 , 588, 1706-14		27
334	Role of ERK1, 2, and 5 in dopamine neuron survival during aging. 2014 , 35, 669-79		19
333	Alterations in energy/redox metabolism induced by mitochondrial and environmental toxins: a specific role for glucose-6-phosphate-dehydrogenase and the pentose phosphate pathway in paraquat toxicity. 2014 , 9, 2032-48		63
332	Biologically synthesized silver nanoparticles induce neuronal differentiation of SH-SY5Y cells via modulation of reactive oxygen species, phosphatases, and kinase signaling pathways. 2014 , 9, 934-943		13
331	Retinoid Signaling in the Central Nervous System. 2015 , 421-448		
330	Undifferentiated Neuroblastoma Cells Are More Sensitive to Photogenerated Oxidative Stress Than Differentiated Cells. 2015 , 116, 2074-85		8
329	. 2015 ,		8

328	DNA Targeting Sequence Improves Magnetic Nanoparticle-Based Plasmid DNA Transfection Efficiency in Model Neurons. 2015 , 16, 19369-86	12
327	Structure-Activity Relationship Study of the Neuritogenic Potential of the Glycan of Starfish Ganglioside LLG-3 (II) 2015 , 13, 7250-74	14
326	Differential Expression of Tyrosine Hydroxylase Protein and Apoptosis-Related Genes in Differentiated and Undifferentiated SH-SY5Y Neuroblastoma Cells Treated with MPP(+). 2015 , 2015, 734703	22
325	RCCS bioreactor-based modelled microgravity induces significant changes on in vitro 3D neuroglial cell cultures. 2015 , 2015, 754283	25
324	Genistein, the Isoflavone in Soybean, Causes Amyloid Beta Peptide Accumulation in Human Neuroblastoma Cell Line: Implications in Alzheimer's Disease. 2015 , 6, 456-65	16
323	The effect of differentiation agents on inflammatory and oxidative responses of the human neuroblastoma cell line SK-N-SH. 2015 , 62, 435-43	11
322	A new selective turn-on small fluorescent cationic probe for recognition of RNA in cells. 2015 , 27, 478-483	9
321	BAG2 Is Repressed by NF- κ B Signaling, and Its Overexpression Is Sufficient to Shift A β -42 from Neurotrophic to Neurotoxic in Undifferentiated SH-SY5Y Neuroblastoma. 2015 , 57, 83-9	9
320	Ammonia-induced oxidative damage in neurons is prevented by resveratrol and lipoic acid with participation of heme oxygenase 1. <i>NeuroToxicology</i> , 2015 , 49, 28-35	4-4 38
319	The neuroprotection of cannabidiol against MPP+-induced toxicity in PC12 cells involves trkA receptors, upregulation of axonal and synaptic proteins, neuritogenesis, and might be relevant to Parkinson's disease. 2015 , 30, 231-40	54
318	Proteasome subunit and opioid receptor gene expression down-regulation induced by paraquat and maneb in human neuroblastoma SH-SY5Y cells. 2015 , 40, 895-900	18
317	Role for the PI3K/Akt/Nrf2 signaling pathway in the protective effects of carnosic acid against methylglyoxal-induced neurotoxicity in SH-SY5Y neuroblastoma cells. 2015 , 242, 396-406	82
316	Cadmium treatment suppresses DNA polymerase α catalytic subunit gene expression by acting on the p53 and Sp1 regulatory axis. 2015 , 35, 90-105	17
315	Retinoic acid receptors: from molecular mechanisms to cancer therapy. 2015 , 41, 1-115	204
314	ELASTICITY OF DIFFERENTIATED AND UNDIFFERENTIATED HUMAN NEUROBLASTOMA CELLS CHARACTERIZED BY ATOMIC FORCE MICROSCOPY. 2015 , 15, 1550069	8
313	In vitro models for neurotoxicology research. 2015 , 4, 801-842	23
312	Neuroprotective effects of mGluR II and III activators against staurosporine- and doxorubicin-induced cellular injury in SH-SY5Y cells: New evidence for a mechanism involving inhibition of AIF translocation. 2015 , 88, 124-37	16
311	Hypothermia Reduces but Hyperthermia Augments T Cell-Derived Release of Interleukin-17 and Granzyme B that Mediate Neuronal Cell Death. 2015 , 23, 116-26	8

310	The Role of SUMO-Conjugating Enzyme Ubc9 in the Neuroprotection of Isoflurane Preconditioning Against Ischemic Neuronal Injury. 2015 , 51, 1221-31	14
309	Nuclear and extranuclear effects of vitamin A. 2015 , 93, 1065-75	25
308	In Vitro Neuroprotective Effect of Shikimic Acid Against Hydrogen Peroxide-Induced Oxidative Stress. 2015 , 56, 956-965	22
307	Data Science, Learning by Latent Structures, and Knowledge Discovery. 2015 ,	2
306	microRNA-449a functions as a tumor suppressor in neuroblastoma through inducing cell differentiation and cell cycle arrest. 2015 , 12, 538-54	41
305	Mercury Reduces the Enzymatic Activity of Nephilysin in Differentiated SH-SY5Y Cells. 2015 , 145, 128-37	12
304	Characterization of Apoptosis Signaling Cascades During the Differentiation Process of Human Neural ReNcell VM Progenitor Cells In Vitro. 2015 , 35, 1203-16	7
303	Effects of Antidepressants on DSP4/CPT-Induced DNA Damage Response in Neuroblastoma SH-SY5Y Cells. 2015 , 28, 154-70	6
302	Intracellular calcium levels as screening tool for nanoparticle toxicity. 2015 , 35, 1150-9	20
301	The effect of energy balance on the transcriptome of bovine granulosa cells at 60 days postpartum. 2015 , 84, 1350-61.e6	17
300	The use of a viral 2A sequence for the simultaneous over-expression of both the vgf gene and enhanced green fluorescent protein (eGFP) in vitro and in vivo. 2015 , 256, 22-9	9
299	Overexpression of alpha-synuclein at non-toxic levels increases dopaminergic cell death induced by copper exposure via modulation of protein degradation pathways. 2015 , 81, 76-92	47
298	Neuronal growth and differentiation on biodegradable membranes. 2015 , 9, 106-17	22
297	1st Global Conference on Biomedical Engineering & 9th Asian-Pacific Conference on Medical and Biological Engineering. 2015 ,	1
296	Realisation and characterization of conductive hollow fibers for neuronal tissue engineering. 2015 , 103, 1107-19	15
295	The aqueous extract of Glycyrrhiza inflata can upregulate unfolded protein response-mediated chaperones to reduce tau misfolding in cell models of Alzheimer's disease. 2016 , 10, 885-96	14
294	Novel Lactulose and Melibiose Targeting Autophagy to Reduce PolyQ Aggregation in Cell Models of Spinocerebellar Ataxia 3. 2016 , 15, 351-9	18
293	Delta-9-tetrahydrocannabinol protects against MPP+ toxicity in SH-SY5Y cells by restoring proteins involved in mitochondrial biogenesis. 2016 , 7, 46603-46614	29

292	A combined gene expression and functional study reveals the crosstalk between N-Myc and differentiation-inducing microRNAs in neuroblastoma cells. 2016 , 7, 79372-79387	15
291	Comparative mRNA Expression of eEF1A Isoforms and a PI3K/Akt/mTOR Pathway in a Cellular Model of Parkinson's Disease. 2016 , 2016, 8716016	24
290	NSC-34 Motor Neuron-Like Cells Are Unsuitable as Experimental Model for Glutamate-Mediated Excitotoxicity. 2016 , 10, 118	27
289	Poly(3,4-ethylenedioxythiophene):GlycosAminoGlycan Aqueous Dispersions: Toward Electrically Conductive Bioactive Materials for Neural Interfaces. 2016 , 16, 1227-38	47
288	Cell-Based Systems of Depression: An Overview. 2016 , 75-117	
287	Dopamine induces mitochondrial depolarization without activating PINK1-mediated mitophagy. 2016 , 136, 1219-1231	19
286	Efficient GSH delivery using PAMAM-GSH into MPP-induced PC12 cellular model for Parkinson's disease. 2016 , 3, 299-307	9
285	Identifying GSK-3kinase inhibitors of Alzheimer's disease: Virtual screening, enzyme, and cell assays. 2016 , 89, 11-9	22
284	Potential of GRID2 receptor gene for preventing TNF-induced neurodegeneration in autism. 2016 , 620, 62-9	12
283	Residual rubber shielded multi walled carbon nanotube electrodes for neural interfacing in active medical implants. 2016 , 1, 8-19	10
282	Nicotinamide N-methyltransferase catalyses the N-methylation of the endogenous β -carboline norharman: evidence for a novel detoxification pathway. 2016 , 473, 3253-67	15
281	Dynamics of the association of heat shock protein HSPA6 (Hsp70B') and HSPA1A (Hsp70-1) with stress-sensitive cytoplasmic and nuclear structures in differentiated human neuronal cells. 2016 , 21, 993-1003	10
280	Vitamin D signaling and the differentiation of developing dopamine systems. 2016 , 333, 193-203	50
279	Nimodipine, an L-type calcium channel blocker attenuates mitochondrial dysfunctions to protect against 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced Parkinsonism in mice. 2016 , 99, 221-232	34
278	GRIN3A and MAPT stimulate nerve overgrowth in macrodactyly. 2016 , 14, 5637-5643	3
277	Differentiation of the SH-SY5Y Human Neuroblastoma Cell Line. 2016 , 53193	106
276	Binding, internalization and fate of Huntingtin Exon1 fibrillar assemblies in mitotic and nonmitotic neuroblastoma cells. 2016 , 42, 137-52	15
275	Herbal Medicine in Depression. 2016 ,	3

274	Induction of heat shock proteins in differentiated human neuronal cells following co-application of celastrol and arimocloamol. 2016 , 21, 837-48	28
273	The Reginoids LG100268 and LG101506 Inhibit Inflammation and Suppress Lung Carcinogenesis in A/J Mice. 2016 , 9, 105-14	15
272	Activation of AKT1/GSK-3 β /Catenin-TRIM11/Survivin Pathway by Novel GSK-3 β Inhibitor Promotes Neuron Cell Survival: Study in Differentiated SH-SY5Y Cells in OGD Model. 2016 , 53, 6716-6729	23
271	Thyroid hormone and vitamin D regulate VGF expression and promoter activity. 2016 , 56, 123-34	9
270	A new method to effectively and rapidly generate neurons from SH-SY5Y cells. 2016 , 610, 43-7	10
269	Characterization of Differentiated SH-SY5Y as Neuronal Screening Model Reveals Increased Oxidative Vulnerability. 2016 , 21, 496-509	90
268	Morphological Differentiation Towards Neuronal Phenotype of SH-SY5Y Neuroblastoma Cells by Estradiol, Retinoic Acid and Cholesterol. 2016 , 41, 731-47	56
267	NRF2 Mediates Neuroblastoma Proliferation and Resistance to Retinoic Acid Cytotoxicity in a Model of In Vitro Neuronal Differentiation. 2016 , 53, 6124-6135	16
266	Agmatine Protects Against 6-OHDA-Induced Apoptosis, and ERK and Akt/GSK Disruption in SH-SY5Y Cells. 2016 , 36, 829-838	19
265	The Co-chaperone BAG2 Mediates Cold-Induced Accumulation of Phosphorylated Tau in SH-SY5Y Cells. 2016 , 36, 593-602	14
264	Regulation of Calcium-Independent Phospholipase A2 Expression by Adrenoceptors and Sterol Regulatory Element Binding Protein-Potential Crosstalk Between Sterol and Glycerophospholipid Mediators. 2016 , 53, 500-517	4
263	Characterization of three human cell line models for high-throughput neuronal cytotoxicity screening. 2017 , 37, 167-180	37
262	Flow of essential elements in subcellular fractions during oxidative stress. 2017 , 30, 83-96	3
261	RA Differentiation Enhances Dopaminergic Features, Changes Redox Parameters, and Increases Dopamine Transporter Dependency in 6-Hydroxydopamine-Induced Neurotoxicity in SH-SY5Y Cells. 2017 , 31, 545-559	27
260	Nickel oxide nanoparticles are highly toxic to SH-SY5Y neuronal cells. 2017 , 108, 7-14	31
259	The SH-SY5Y cell line in Parkinson's disease research: a systematic review. 2017 , 12, 10	373
258	Proteomic analysis of the cullin 4B interactome using proximity-dependent biotinylation in living cells. 2017 , 17, 1600163	2
257	Ethanol, TLR3, and TLR4 Agonists Have Unique Innate Immune Responses in Neuron-Like SH-SY5Y and Microglia-Like BV2. 2017 , 41, 939-954	49

256	Neuroprotective effects of extracellular DJ-1 on reperfusion injury in SH-SY5Y cells. 2017 , 71, e21963	4
255	Inorganic mercury prevents the differentiation of SH-SY5Y cells: Amyloid precursor protein, microtubule associated proteins and ROS as potential targets. 2017 , 41, 119-128	18
254	The involvement of autophagy and cytoskeletal regulation in TDCIPP-induced SH-SY5Y cell differentiation. <i>NeuroToxicology</i> , 2017 , 62, 14-23	4-4 5
253	Cellular models as tools for the study of the role of alpha-synuclein in Parkinson's disease. 2017 , 298, 162-171	31
252	Energetic mixing of anti-SNAP25 on lipid monolayers: degree of saturation of C18 fatty acids. 2017 , 49, 388-397	2
251	The ATM kinase inhibitor KU-55933 provides neuroprotection against hydrogen peroxide-induced cell damage via a β 2AX/p-p53/caspase-3-independent mechanism: Inhibition of calpain and cathepsin D. 2017 , 87, 38-53	10
250	Effects of MgSO and magnesium transporters on 6-hydroxydopamine-induced SH-SY5Y cells. 2017 , 172, 48-54	6
249	Tris (1, 3-dichloro-2-propyl) phosphate induces apoptosis and autophagy in SH-SY5Y cells: Involvement of ROS-mediated AMPK/mTOR/ULK1 pathways. 2017 , 100, 183-196	33
248	High concentration of trichlorfon (1mM) disrupts axonal cytoskeleton and decreases the expression of plasticity-related proteins in SH-SY5Y cells. 2017 , 39, 84-92	6
247	Quinolinic acid induces neuritogenesis in SH-SY5Y neuroblastoma cells independently of NMDA receptor activation. 2017 , 45, 700-711	6
246	Gold nanoparticles as scaffolds for poor water soluble and difficult to vehiculate antiparkinson codrugs. 2017 , 28, 025102	2
245	Differentiated Human SH-SY5Y Cells Provide a Reductionist Model of Herpes Simplex Virus 1 Neurotropism. 2017 , 91,	20
244	(R)- α -Lipooyl-Gly-l-Pro-l-Glu dimethyl ester as dual acting agent for the treatment of Alzheimer's disease. 2017 , 66, 52-58	14
243	miR-449a: a potential therapeutic agent for cancer. 2017 , 28, 1067-1078	27
242	L- and T-type calcium channel blockers protect against the inhibitory effects of mipafox on neurite outgrowth and plasticity-related proteins in SH-SY5Y cells. 2017 , 80, 1086-1097	6
241	Effects of Pyridostigmine bromide on SH-SY5Y cells: An in vitro neuroblastoma neurotoxicity model. 2017 , 823, 1-10	7
240	Neuronal Differentiation Modulated by Polymeric Membrane Properties. 2017 , 204, 164-178	4
239	Mimicking Parkinson's Disease in a Dish: Merits and Pitfalls of the Most Commonly used Dopaminergic In Vitro Models. 2017 , 19, 241-255	13

238	In vitro protective effects of encapsulated quercetin in neuronal models of oxidative stress injury. 2017 , 31, 1055-1063	13
237	Quantitative proteomic analysis identifies proteins and pathways related to neuronal development in differentiated SH-SY5Y neuroblastoma cells. 2017 , 16, 1-11	26
236	Peptides derived from the knuckle epitope of BMP-9 induce the cholinergic differentiation and inactivate GSK3beta in human SH-SY5Y neuroblastoma cells. 2017 , 7, 4695	14
235	Targeting of Heat Shock Protein HSPA6 (HSP70B') to the Periphery of Nuclear Speckles is Disrupted by a Transcription Inhibitor Following Thermal Stress in Human Neuronal Cells. 2017 , 42, 406-414	7
234	Changes in Cell Cycle and Up-Regulation of Neuronal Markers During SH-SY5Y Neurodifferentiation by Retinoic Acid are Mediated by Reactive Species Production and Oxidative Stress. 2017 , 54, 6903-6916	20
233	Differentiation Induces Dramatic Changes in miRNA Profile, Where Loss of Dicer Diverts Differentiating SH-SY5Y Cells Toward Senescence. 2017 , 54, 4986-4995	16
232	Transcriptomic Profiling Discloses Molecular and Cellular Events Related to Neuronal Differentiation in SH-SY5Y Neuroblastoma Cells. 2017 , 37, 665-682	24
231	The Potential of Indole/Indolylquinoline Compounds in Tau Misfolding Reduction by Enhancement of HSPB1. 2017 , 23, 45-56	15
230	GABA receptor subunit deregulation in the hippocampus of human foetuses with Down syndrome. 2018 , 223, 1501-1518	6
229	Differential Targeting of Hsp70 Heat Shock Proteins HSPA6 and HSPA1A with Components of a Protein Disaggregation/Refolding Machine in Differentiated Human Neuronal Cells following Thermal Stress. 2017 , 11, 227	15
228	A novel function of N-linked glycoproteins, alpha-2-HS-glycoprotein and hemopexin: Implications for small molecule compound-mediated neuroprotection. 2017 , 12, e0186227	7
227	Selenium and zinc: Two key players against cadmium-induced neuronal toxicity. 2018 , 48, 159-169	43
226	Differences in statin associated neuroprotection corresponds with either decreased production of IL-1 β or TNF- α in an in vitro model of neuroinflammation-induced neurodegeneration. 2018 , 344, 56-73	19
225	The secretome of adipose-derived mesenchymal stem cells protects SH-SY5Y cells from arsenic-induced toxicity, independent of a neuron-like differentiation mechanism. <i>NeuroToxicology</i> , 2018 , 67, 54-64	4.4 5
224	Screening of quorum sensing peptides for biological effects in neuronal cells. 2018 , 101, 150-156	20
223	New insights on Parkinson's disease from differentiation of SH-SY5Y into dopaminergic neurons: An involvement of aquaporin4 and 9. 2018 , 88, 212-221	17
222	Fluoride induces apoptosis via inhibiting SIRT1 activity to activate mitochondrial p53 pathway in human neuroblastoma SH-SY5Y cells. 2018 , 347, 60-69	40
221	Carbon nanomaterials coatings [Properties and influence on nerve cells response. 2018 , 84, 127-140	12

220	High glucose forces a positive feedback loop connecting ErbB4 expression and mTOR/S6K pathway to aggravate the formation of tau hyperphosphorylation in differentiated SH-SY5Y cells. 2018 , 67, 171-180	12
219	Differential expression of PARK2 splice isoforms in an in vitro model of dopaminergic-like neurons exposed to toxic insults mimicking Parkinson's disease. 2018 , 119, 1062-1073	2
218	Knockdown of Heat Shock Proteins HSPA6 (Hsp70B') and HSPA1A (Hsp70-1) Sensitizes Differentiated Human Neuronal Cells to Cellular Stress. 2018 , 43, 340-350	15
217	The Toxmatrix: Chemo-Genomic Profiling Identifies Interactions That Reveal Mechanisms of Toxicity. 2018 , 31, 127-136	8
216	Expression of DHA-Metabolizing Enzyme Alox15 is Regulated by Selective Histone Acetylation in Neuroblastoma Cells. 2018 , 43, 540-555	7
215	Expression of Gas1 in Mouse Brain: Release and Role in Neuronal Differentiation. 2018 , 38, 841-859	
214	Which Medium and Ingredients Provide Better Morphological Differentiation of SH-SY5Y Cells?. 2018 , 2, 1577	0
213	MiRNA influences in mesenchymal stem cell commitment to neuroblast lineage development. 2018 , 3, 232-242	3
212	β-Naphthoflavone and Ethanol Induce Cytochrome P450 and Protect towards MPP+ Toxicity in Human Neuroblastoma SH-SY5Y Cells. 2018 , 19,	11
211	Alpha-Synuclein and Calpains Disrupt SNARE-Mediated Synaptic Vesicle Fusion During Manganese Exposure in SH-SY5Y Cells. 2018 , 7,	12
210	Mesenchymal Stem Cells (MSCs) Coculture Protects [Ca] Orchestrated Oxidant Mediated Damage in Differentiated Neurons In Vitro. 2018 , 7,	17
209	Manipulation and Study of Gene Expression in Neurotoxin- Treated Neuronal PC12 and SH-SY5Y Cells for In Vitro Studies of Parkinson's Disease. 2018 ,	
208	Differentiation enhances Zika virus infection of neuronal brain cells. 2018 , 8, 14543	13
207	Compressional-Puffing Pretreatment Enhances Neuroprotective Effects of Fucoindans from the Brown Seaweed Sargassum hemiphyllum on 6-Hydroxydopamine-Induced Apoptosis in SH-SY5Y Cells. 2017 , 23,	26
206	Secretome from SH-SY5Y APP cells trigger time-dependent CHME3 microglia activation phenotypes, ultimately leading to miR-21 exosome shuttling. 2018 , 155, 67-82	46
205	Necrosis in human neuronal cells exposed to paraquat. 2018 , 43, 193-202	8
204	Clioquinol increases the expression of interleukin-8 by down-regulating GATA-2 and GATA-3. <i>NeuroToxicology</i> , 2018 , 67, 296-304	4-4 3
203	Atrial Natriuretic Peptide Acts as a Neuroprotective Agent in Models of Parkinson's Disease via Up-regulation of the Wnt/β-Catenin Pathway. 2018 , 10, 20	8

202	Protective effect of on MPP+-induced oxidative stress. 2018 , 10, 285-299	5
201	Biocompatible Gold Nanoparticles Ameliorate Retinoic Acid-Induced Cell Death and Induce Differentiation in F9 Teratocarcinoma Stem Cells. 2018 , 8,	18
200	Polyelectrolyte-coated nanocapsules containing cyclosporine A protect neuronal-like cells against oxidative stress-induced cell damage. 2018 , 555, 264-269	3
199	Indibulin dampens microtubule dynamics and produces synergistic antiproliferative effect with vinblastine in MCF-7 cells: Implications in cancer chemotherapy. 2018 , 8, 12363	11
198	ERK1/2-mediated disruption of BDNF-TrkB signaling causes synaptic impairment contributing to fluoride-induced developmental neurotoxicity. 2018 , 410, 222-230	20
197	Toxicity study of complex CNT-PEG(-NH ₂)-DOX synthesis on neuroblastoma cells. 2018 ,	
196	Isothiocyanate from Moringa oleifera seeds mitigates hydrogen peroxide-induced cytotoxicity and preserved morphological features of human neuronal cells. 2018 , 13, e0196403	25
195	Methylmercury induces oxidative stress and subsequent neural hyperactivity leading to cell death through the p38 MAPK-CREB pathway in differentiated SH-SY5Y cells. <i>NeuroToxicology</i> , 2018 , 67, 226-233	18
194	Protein profiling of SH-SY5Y neuroblastoma cells: The effect of rhein. 2019 , 44, 1	2
193	Ageritin from poplar mushrooms: scale-up purification and cytotoxicity towards undifferentiated and differentiated SH-SY5Y cells. 2019 , 10, 6342-6350	12
192	Retinoic acid-stimulated ERK1/2 pathway regulates meiotic initiation in cultured fetal germ cells. 2019 , 14, e0224628	6
191	Toxicity of Amyloid- β Peptides Varies Depending on Differentiation Route of SH-SY5Y Cells. 2019 , 71, 879-887	9
190	MicroRNA-24-3p regulates neuronal differentiation by controlling hippocalcin expression. 2019 , 76, 4569-4580	10
189	Myelin Disturbances Produced by Sub-Toxic Concentration of Heavy Metals: The Role of Oligodendrocyte Dysfunction. 2019 , 20,	12
188	Neuroprotective effects of glucomoringin-isothiocyanate against HO-Induced cytotoxicity in neuroblastoma (SH-SY5Y) cells. <i>NeuroToxicology</i> , 2019 , 75, 89-104	4-4 9
187	Evaluation of antioxidant activity of caffeic acid phenethyl ester loaded block copolymer micelles. 2019 , 33, 64-74	10
186	Proteomic Study of a Parkinson's Disease Model of Undifferentiated SH-SY5Y Cells Induced by a Proteasome Inhibitor. 2019 , 16, 84-92	9
185	Qingnao dripping pills mediate immune-inflammatory response and MAPK signaling pathway after acute ischemic stroke in rats. 2019 , 139, 143-150	10

184	Genomic and non-genomic pathways are both crucial for peak induction of neurite outgrowth by retinoids. 2019 , 17, 40	9
183	Cellular and sub-cellular Cu isotope fractionation in the human neuroblastoma SH-SY5Y cell line: proliferating versus neuron-like cells. 2019 , 411, 4963-4971	15
182	Oleuropein aglycone and hydroxytyrosol interfere differently with toxic Aβ aggregation. 2019 , 129, 1-12	36
181	Suppressing nNOS Enzyme by Small-Interfering RNAs Protects SH-SY5Y Cells and Nigral Dopaminergic Neurons from 6-OHDA Injury. 2019 , 36, 117-131	5
180	Somatostatin-Mediated Changes in Microtubule-Associated Proteins and Retinoic Acid-Induced Neurite Outgrowth in SH-SY5Y Cells. 2019 , 68, 120-134	13
179	Metformin Promotes Neuronal Differentiation via Crosstalk between Cdk5 and Sox6 in Neuroblastoma Cells. 2019 , 2019, 1765182	7
178	A Bioluminescence Reporter Assay for Retinoic Acid Control of Translation of the GluR1 Subunit of the AMPA Glutamate Receptor. 2019 , 56, 7074-7084	1
177	The Compounds -Crocin 4 and -Crocetin Modulate the Amyloidogenic Pathway and Tau Misprocessing in Alzheimer Disease Neuronal Cell Culture Models. 2019 , 13, 249	23
176	A 3D bioprinted hydrogel mesh loaded with all-trans retinoic acid for treatment of glioblastoma. 2019 , 854, 201-212	22
175	Silica nanoparticle-exposure during neuronal differentiation modulates dopaminergic and cholinergic phenotypes in SH-SY5Y cells. 2019 , 17, 46	4
174	Dopamine Cytotoxicity on SH-SY5Y Cells: Involvement of Synuclein and Relevance in the Neurodegeneration of Sporadic Parkinson's Disease. 2019 , 35, 898-907	14
173	Neurotoxic assessment of Microcystin-LR, cylindrospermopsin and their combination on the human neuroblastoma SH-SY5Y cell line. 2019 , 224, 751-764	17
172	Cannabidiol Protects Dopaminergic Neuronal Cells from Cadmium. 2019 , 16,	16
171	Targeting Ubiquitin Proteasome Pathway with Traditional Chinese Medicine for Treatment of Spinocerebellar Ataxia Type 3. 2019 , 47, 63-95	9
170	Ethanol induces interferon expression in neurons via TRAIL: role of astrocyte-to-neuron signaling. 2019 , 236, 2881-2897	7
169	Retinoic acid-induced survival effects in SH-SY5Y neuroblastoma cells. 2019 , 120, 5974-5986	9
168	Differences in Gene Expression Profiles and Phenotypes of Differentiated SH-SY5Y Neurons Stably Overexpressing Mitochondrial Ferritin. 2018 , 11, 470	6
167	Design of novel monoamine oxidase-B inhibitors based on piperine scaffold: Structure-activity-toxicity, drug-likeness and efflux transport studies. 2020 , 185, 111770	16

166	Neuronal specific and non-specific responses to cadmium possibly involved in neurodegeneration: A toxicogenomics study in a human neuronal cell model. <i>NeuroToxicology</i> , 2020 , 76, 162-173	4.4	20
165	Graphene oxide-conductive polymer nanocomposite coatings obtained by the EPD method as substrates for neurite outgrowth. 2020 , 102, 107663		10
164	SH-SY5Y and LUHMES cells display differential sensitivity to MPP+, tunicamycin, and epoxomicin in 2D and 3D cell culture. 2020 , 36, e2942		1
163	Genistein protects against amyloid-beta-induced toxicity in SH-SY5Y cells by regulation of Akt and Tau phosphorylation. 2020 , 34, 796-807		20
162	Pathophysiological, toxicological, and immunoregulatory roles of reactive oxygen and nitrogen species (RONS). 2020 , 1-18		0
161	11q Deletion or ALK Activity Curbs DLG2 Expression to Maintain an Undifferentiated State in Neuroblastoma. 2020 , 32, 108171		11
160	Metabolic Enhancement of Glycolysis and Mitochondrial Respiration Are Essential for Neuronal Differentiation. 2020 , 22, 291-299		2
159	High-Resolution Respirometry Reveals MPP Mitochondrial Toxicity Mechanism in a Cellular Model of Parkinson's Disease. 2020 , 21,		13
158	HOTAIRM1 regulates neuronal differentiation by modulating NEUROGENIN 2 and the downstream neurogenic cascade. 2020 , 11, 527		12
157	The Role of Oxidative Stress in Parkinson's Disease. 2020 , 9,		42
156	Neural differentiation of canine mesenchymal stem cells/multipotent mesenchymal stromal cells. 2020 , 16, 282		4
155	Sunset yellow degradation product, as an efficient water-soluble inducer, accelerates 1N4R Tau amyloid oligomerization: In vitro preliminary evidence against the food colorant safety in terms of "Triggered Amyloid Aggregation". 2020 , 103, 104123		2
154	Inhibition of the antioxidant enzyme PRDX1 activity promotes MPP-induced death in differentiated SH-SY5Y cells and may impair its colocalization with eEF1A2. 2020 , 258, 118227		5
153	A 3D Printable Electroconductive Biocomposite Bioink Based on Silk Fibroin-Conjugated Graphene Oxide. 2020 , 20, 6873-6883		21
152	Influence of serum concentration in retinoic acid and phorbol ester induced differentiation of SH-SY5Y human neuroblastoma cell line. 2020 , 47, 8775-8788		4
151	Schizophrenia risk candidate EGR3 is a novel transcriptional regulator of RELN and regulates neurite outgrowth via the Reelin signal pathway in vitro. 2021 , 157, 1745-1758		1
150	Novel design of (PEG-ylated)PAMAM-based nanoparticles for sustained delivery of BDNF to neurotoxin-injured differentiated neuroblastoma cells. 2020 , 18, 120		9
149	Neuroprotective Effects of 7-Geranyloxycinnamic Acid from Leaves. 2020 , 25,		0

148	Bioactive Steroids from the Red Sea Soft Coral. 2020 , 18,	5
147	Loss of DEK Expression Induces Alzheimer's Disease Phenotypes in Differentiated SH-SY5Y Cells. 2020 , 13, 594319	1
146	Histidyl-Proline Diketopiperazine Isomers as Multipotent Anti-Alzheimer Drug Candidates. 2020 , 10,	7
145	New Synthetic 3-Benzoyl-5-Hydroxy-2-Chromen-2-One (LM-031) Inhibits Polyglutamine Aggregation and Promotes Neurite Outgrowth through Enhancement of CREB, NRF2, and Reduction of AMPK in SCA17 Cell Models. 2020 , 2020, 3129497	1
144	Human VGF-Derived Antidepressant Neuropeptide TLQP62 Promotes SH-SY5Y Neurite Outgrowth. 2020 , 70, 1293-1302	2
143	Green tea extract containing enhanced levels of epimerized catechins attenuates scopolamine-induced memory impairment in mice. 2020 , 258, 112923	9
142	Pathogenic Mutations Differentially Regulate Cell-to-Cell Transmission of β Synuclein. 2020 , 14, 159	14
141	Chronic cypermethrin exposure alters mouse embryonic stem cell growth kinetics, induces Phase II detoxification response and affects pluripotency and differentiation gene expression. 2020 , 64,	3
140	The Antioxidant, Anti-Inflammatory, and Neuroprotective Properties of the Synthetic Chalcone Derivative AN07. 2020 , 25,	7
139	Electrophysiological characteristics of neuron-like cancer cells and their applications for studying neural interfaces. 2020 , 65-90	
138	Persistent organic pollutants in tissues of farmed tuna from the Adriatic Sea. 2020 , 158, 111413	3
137	Molecular Mechanisms of Bortezomib Action: Novel Evidence for the miRNA-mRNA Interaction Involvement. 2020 , 21,	11
136	GHz Ultrasonic Chip-Scale Device Induces Ion Channel Stimulation in Human Neural Cells. 2020 , 10, 3075	3
135	A novel role for SHARPIN in amyloid- β phagocytosis and inflammation by peripheral blood-derived macrophages in Alzheimer's disease. 2020 , 93, 131-141	10
134	Caffeine Potentiates Ethanol-Induced Neurotoxicity Through mTOR/p70S6K/4E-BP1 Inhibition in SH-SY5Y Cells. 2020 , 39, 131-140	3
133	Neuroprotective Effects of Necrostatin-1 Against Oxidative Stress-Induced Cell Damage: an Involvement of Cathepsin D Inhibition. 2020 , 37, 525-542	11
132	Heavy metals contaminating the environment of a progressive supranuclear palsy cluster induce tau accumulation and cell death in cultured neurons. 2020 , 10, 569	13
131	Two single nucleotide polymorphisms in IL13 and IL13RA1 from individuals with idiopathic Parkinson's disease increase cellular susceptibility to oxidative stress. 2020 , 88, 920-924	1

130	miR-143-3p inhibition promotes neuronal survival in an Alzheimer's disease cell model by targeting neuregulin-1. 2020 , 58, 10-21	8
129	-Halogenation of Amphetamine and Methcathinone Increases the Mitochondrial Toxicity in Undifferentiated and Differentiated SH-SY5Y Cells. 2020 , 21,	4
128	From cell lines to pluripotent stem cells for modelling Parkinson's Disease. 2020 , 340, 108741	10
127	Effects of eEF1A2 knockdown on autophagy in an MPP-induced cellular model of Parkinson's disease. 2021 , 164, 55-69	9
126	Temporal Proteomic Profiling of SH-SY5Y Differentiation with Retinoic Acid Using FAIMS and Real-Time Searching. 2021 , 20, 704-714	7
125	Clioquinol inhibits dopamine- β -hydroxylase secretion and noradrenaline synthesis by affecting the redox status of ATOX1 and copper transport in human neuroblastoma SH-SY5Y cells. 2021 , 95, 135-148	5
124	Computational identification of preservatives with potential neuronal cytotoxicity. 2021 , 119, 104815	1
123	Cytokinin Plant Hormones Have Neuroprotective Activity in In Vitro Models of Parkinson's Disease. 2021 , 26,	1
122	Anti-Cholinesterase Combination Drug Therapy as a Potential Treatment for Alzheimer's Disease. 2021 , 11,	9
121	The Impact of Differentiation on Cytotoxicity and Insulin Sensitivity in Streptozotocin Treated SH-SY5Y Cells. 2021 , 46, 1350-1358	
120	Novel pentacyclic triterpenes exhibiting strong neuroprotective activity in SH-SY5Y cells in salsolinol- and glutamate-induced neurodegeneration models. 2021 , 213, 113168	4
119	Antioxidant and Neuroprotective Activity of Extra Virgin Olive Oil Extracts Obtained from Quercetano Cultivar Trees Grown in Different Areas of the Tuscany Region (Italy). 2021 , 10,	5
118	Cell metabolomics analyses revealed a role of altered fatty acid oxidation in neurotoxicity pattern difference between nab-paclitaxel and solvent-based paclitaxel. 2021 , 16, e0248942	2
117	Flusilazole Induced Cytotoxicity and Inhibition of Neuronal Growth in Differentiated SH-SY5Y Neuroblastoma Cells by All-Trans-Retinoic Acid (Atra). 2021 , 18, 597-603	1
116	Refinement of a differentiation protocol using neuroblastoma SH-SY5Y cells for use in neurotoxicology research. 2021 , 149, 111967	3
115	A Highly Selective In Vitro JNK3 Inhibitor, FMU200, Restores Mitochondrial Membrane Potential and Reduces Oxidative Stress and Apoptosis in SH-SY5Y Cells. 2021 , 22,	4
114	SIRT1 and SIRT2 modulators reduce LPS-induced inflammation in HAPI microglial cells and protect SH-SY5Y neuronal cells in vitro. 2021 , 128, 631-644	1
113	SH-SY5Y-derived neurons: a human neuronal model system for investigating TAU sorting and neuronal subtype-specific TAU vulnerability. 2021 ,	8

112	A Chemo-Genomic Approach Identifies Diverse Epigenetic Therapeutic Vulnerabilities in MYCN-Amplified Neuroblastoma. 2021 , 9, 612518		0
111	ErbB4 regulate extracellular dopamine through the p38 MAPK signaling pathway. 2021 , 751, 135830		1
110	Natural Compound from Olive Oil Inhibits S100A9 Amyloid Formation and Cytotoxicity: Implications for Preventing Alzheimer's Disease. 2021 , 12, 1905-1918		3
109	Axonal TAU Sorting Requires the C-terminus of TAU but is Independent of ANKG and TRIM46 Enrichment at the AIS. 2021 , 461, 155-171		4
108	Inhibition of H2AX, COX-2 and regulation of antioxidant enzymes in MPP-exposed SH-SY5Y cells pre-treated with rutin. 2021 , 36, 2119-2130		3
107	A Red-Berry Mixture as a Nutraceutical: Detailed Composition and Neuronal Protective Effect. 2021 , 26,		0
106	Superoxide dismutase 1 (SOD1) and cadmium: A three models approach to the comprehension of its neurotoxic effects. <i>NeuroToxicology</i> , 2021 , 84, 125-135	4-4	3
105	Methylmalonic Acid Compromises Respiration and Reduces the Expression of Differentiation Markers of SH-SY5Y Human Neuroblastoma Cells. 2021 , 12, 2608-2618		0
104	Normalization of Enzyme Expression and Activity Regulating Vitamin A Metabolism Increases RAR-Beta Expression and Reduces Cellular Migration and Proliferation in Diseases Caused by Tuberous Sclerosis Gene Mutations. 2021 , 11, 644592		0
103	Selected Kefir Water from Malaysia Attenuates Hydrogen Peroxide-Induced Oxidative Stress by Upregulating Endogenous Antioxidant Levels in SH-SY5Y Neuroblastoma Cells. 2021 , 10,		2
102	Human Neuronal Cell Lines as An In Vitro Toxicological Tool for the Evaluation of Novel Psychoactive Substances. 2021 , 22,		1
101	Expression and Localization of ABP in SH-SY5Y Cells Depends on Differentiation State. 2021 , 82, 485-491		0
100	SKP-SCs transplantation alleviates 6-OHDA-induced dopaminergic neuronal injury by modulating autophagy. 2021 , 12, 674		1
99	ErbB4 mediates amyloid β -induced neurotoxicity through JNK/tau pathway activation: Implications for Alzheimer's disease. 2021 , 529, 3497-3512		3
98	The effect of caspase-9 in the differentiation of SH-SY5Y cells. 2021 , 904, 174138		0
97	Aqueous Extract of Cocoa Phenolic Compounds Protects Differentiated Neuroblastoma SH-SY5Y Cells from Oxidative Stress. 2021 , 11,		1
96	Early life exposure to poly I:C impairs striatal DA-D2 receptor binding, myelination and associated behavioural abilities in rats. 2021 , 118, 102035		
95	LMK235, a small molecule inhibitor of HDAC4/5, protects dopaminergic neurons against neurotoxin- and Bynuclein-induced degeneration in cellular models of Parkinson's disease. 2021 , 115, 103642		6

94	Neuronal Dynamics and miRNA Signaling Differ between SH-SY5Y and Mutant iPSC-Derived AD Models upon Modulation with miR-124 Mimic and Inhibitor. 2021 , 10,	2
93	Neuroprotective Properties of Kempferol Derivatives from against Oxidative Stress-Induced Cell Damage: An Association with Cathepsin D Inhibition and PI3K/Akt Activation. 2021 , 22,	1
92	Long-term culture of SH-SY5Y neuroblastoma cells in the absence of neurotrophins: A novel model of neuronal ageing. 2021 , 362, 109301	3
91	Neurotoxicity and underlying cellular changes of 21 mitochondrial respiratory chain inhibitors. 2021 , 95, 591-615	9
90	Considerations for the Use of SH-SY5Y Neuroblastoma Cells in Neurobiology. 2021 , 2311, 9-23	10
89	Mitochondrial Metabolism as Target of the Neuroprotective Role of Erythropoietin in Parkinson's Disease. 2021 , 10,	12
88	Regulation of Actg1 and Gsta2 is possible mechanism by which capsaicin alleviates apoptosis in cell model of 6-OHDA-induced Parkinson's disease. 2020 , 40,	5
87	Changes in gene expression profiling of apoptotic genes in neuroblastoma cell lines upon retinoic acid treatment. 2013 , 8, e62771	17
86	PA6 Stromal Cell Co-Culture Enhances SH-SY5Y and VSC4.1 Neuroblastoma Differentiation to Mature Phenotypes. 2016 , 11, e0159051	9
85	A high-content morphological screen identifies novel microRNAs that regulate neuroblastoma cell differentiation. 2014 , 5, 2499-512	40
84	Chemically Induced Models of Parkinson's Disease: History and Perspectives for the Involvement of Ferroptosis. 2020 , 14, 581191	6
83	In vitro induction and differentiation of umbilical cord mesenchymal stem cells into neuron-like cells by all-trans retinoic acid. 2015 , 8, 250-6	15
82	Neuroprotective Effect of Taurine against Oxidative Stress-Induced Damages in Neuronal Cells. 2010 , 18, 24-31	6
81	Comparison of medium supplements in terms of the effects on the differentiation of SH-SY5Y human neuroblastoma cell line. 2020 , 37, 82	1
80	Morphogenetic and neuronal characterization of human neuroblastoma multicellular spheroids cultured under undifferentiated and all-trans-retinoic acid-differentiated conditions. 2013 , 46, 276-81	9
79	Functional switching of ATM: sensor of DNA damage in proliferating cells and mediator of Akt survival signal in post-mitotic human neuron-like cells. 2012 , 31, 364-72	14
78	Mechanical Properties and Electrical Behavior of Neuroblastoma Cells Characterized by Atomic Force Microscopy.	
77	Black carrot anthocyanins exhibit neuroprotective effects against MPP+ induced cell death and cytotoxicity via inhibition of oxidative stress mediated apoptosis. 2021 , 73, 827-840	0

76	Neuroprotective Effects of B-Type Cinnamon Procyanidin Oligomers on MPP-Induced Apoptosis in a Cell Culture Model of Parkinson's Disease. 2021 , 26,	0
75	Evaluation of Cell Line Suitability for Disease Specific Perturbation Experiments. 2015 , 297-307	
74	Calcium Oscillation Frequency Is a Potential Functional Complex Physiological Relevance Indicator for a Neuroblastoma-Based 3D Culture Model. 2020 , 6, 4314-4323	
73	Neural differentiation of canine mesenchymal stem cells/multipotent mesenchymal stromal cells.	
72	Axonal TAU sorting requires the C-terminus of TAU but is independent of ANKG and TRIM46 enrichment at the AIS.	
71	Methylmalonic acid compromises mitochondrial respiration and reduces the expression of markers of differentiation in SH-SY5Y human neuroblastoma cells.	
70	Identification of long-lived proteins in the mitochondria reveals increased stability of the electron transport chain. 2021 , 56, 2952-2965.e9	4
69	11q Deletion or ALK Activity Curbs DLG2 Expression to Maintain an Undifferentiated State in Neuroblastoma.	
68	Comparison of SARS-CoV-2 Receptors Expression in Primary Endothelial Cells and Retinoic Acid-Differentiated Human Neuronal Cells. 2021 , 13,	1
67	Human iPSC-Derived Neurons as A Platform for Deciphering the Mechanisms behind Brain Aging. 2021 , 9,	0
66	In vitro transcriptome response to propolis in differentiated SH-SY5Y neurons. 2021 , 45, e13990	0
65	Cell Culture Media Goes Green by Reducing Cold Storage Needs. 2020 , 40, 53-55	
64	Expression of synaptophysin protein in different dopaminergic cell lines. 2014 , 2, 185-190	3
63	The neuroprotective effect of BSA-based nanocurcumin against 6-OHDA-induced cell death in SH-SY5Y cells. 2019 , 9, 92-100	2
62	Differential gene expression by lithium chloride induction of adipose-derived stem cells into neural phenotype cells. 2020 , 23, 544-550	
61	In silico design of HDAC6 inhibitors with neuroprotective effects. 2021 , 1-19	0
60	Changes in Biophysical Properties of Undifferentiated SH-SY5Y Cells During Long-term Cultures. 2021 , 482, 143-143	1
59	Acetaldehyde induces tau phosphorylation via activation of p38 MAPK/JNK and ROS production. 1	1

- 58 Retinoic Acid-Differentiated Neuroblastoma SH-SY5Y Is an Accessible In Vitro Model to Study Native Human Acid-Sensing Ion Channels 1a (ASIC1a).. **2022**, 11, 3
- 57 Somatostatin-Mediated Regulation of Retinoic Acid-Induced Differentiation of SH-SY5Y Cells: Neurotransmitters Phenotype Characterization.. **2022**, 10,
- 56 Potentilla anserine L. polysaccharide protects against cadmium-induced neurotoxicity.. **2022**, 90, 103816 0
- 55 Correlation between Sialylation Status and Cell Susceptibility to Amyloid Toxicity.. **2022**, 11, 0
- 54 Protein profiling of SH-SY5Y neuroblastoma cells: The effect of rhein. **2019**, 44,
- 53 Phosphatidylcholine-plasmalogen-oleic acid has protective effects against arachidonic acid-induced cytotoxicity.. **2022**,
- 52 Ropivacaine-loaded, hydroxypropyl chitin thermo-sensitive hydrogel combined with hyaluronan: an injectable, sustained-release system for providing long-lasting local anesthesia in rats.. **2022**, 2
- 51 Alteration in long noncoding RNAs in response to oxidative stress and ladostigil in SH-SY5Y cells.
- 50 Evaluation of 6-Hydroxydopamine and Rotenone In Vitro Neurotoxicity on Differentiated SH-SY5Y Cells Using Applied Computational Statistics.. **2022**, 23, 0
- 49 6-Hydroxydopamine Induces Neurodegeneration in Terminally Differentiated SH-SY5Y Neuroblastoma Cells via Enrichment of the Nucleosomal Degradation Pathway: a Global Proteomics Approach.. **2022**, 1 1
- 48 Protective Effect of Amber Extract on Human Dopaminergic Cells against 6-Hydroxydopamine-Induced Neurotoxicity.. **2022**, 27, 0
- 47 Influence of Umbelliferone on the Anticonvulsant and Neuroprotective Activity of Selected Antiepileptic Drugs: An In Vivo and In Vitro Study.. **2022**, 23, 0
- 46 Neuroprotective Effect of Luteolin-7-O-Glucoside against 6-OHDA-Induced Damage in Undifferentiated and RA-Differentiated SH-SY5Y Cells.. **2022**, 23, 0
- 45 Volatility in natural resources, economic performance, and public administration quality: Evidence from COVID-19.. **2022**, 76, 102584 2
- 44 CHAPTER 14. Dietary Anti-, Pro-Oxidants in the Etiology of Parkinson's Disease. 447-504
- 43 Image_1.PDF. **2018**,
- 42 Image_2.PDF. **2018**,
- 41 Data_Sheet_1.zip. **2019**,

40 Data_Sheet_2.xlsx. 2019,

39 Data_Sheet_3.xlsx. 2019,

38 Data_Sheet_4.xlsx. 2019,

37 Data_Sheet_5.docx. 2019,

36 Image_1.tif. 2019,

35 Image_1.TIF. 2020,

34 Data_Sheet_1.pdf. 2019,

33 Ivermectin-Induced Apoptotic Cell Death in Human SH-SY5Y Cells Involves the Activation of Oxidative Stress and Mitochondrial Pathway and Akt/mTOR-Pathway-Mediated Autophagy. 2022, 11, 908 1

32 Influence of 40 Hz and 100 Hz Vibration on SH-SY5Y Cells Growth and Differentiation Preliminary Study. 2022, 27, 3337

31 Neuroprotective Effects of Different Lavandula stoechas L. Extracts Against Hydrogen Peroxide Toxicity in vitro. 2022, 18, 883-896

30 Retinoic Acid Supplementation Rescues the Social Deficits in Fmr1 Knockout Mice. 13, 0

29 Pre-differentiation exposure of PFOA induced persistent changes in DNA methylation and mitochondrial morphology in human dopaminergic-like neurons. 2022, 119684 0

28 TOP2B Is Required to Maintain the Adrenergic Neural Phenotype and for ATRA-Induced Differentiation of SH-SY5Y Neuroblastoma Cells. 1

27 Fatty Acids/Tetraphenylethylene Conjugates: Hybrid AIEgens for the Preparation of Peptide-Based Supramolecular Gels. 10,

26 UBA52 is crucial in HSP90 ubiquitylation and neurodegenerative signaling during early phase of Parkinson disease.

25 Ameliorative Effects by Hexagonal Boron Nitride Nanoparticles against Beta Amyloid Induced Neurotoxicity. 2022, 12, 2690 1

24 Is extremely low frequency pulsed electromagnetic fields applicable to gliomas? A literature review of the underlying mechanisms and application of extremely low frequency pulsed electromagnetic fields. 0

23 The SH-SY5Y human neuroblastoma cell line, a relevant in vitro cell model for investigating neurotoxicology in human: Focus on organic pollutants. 2022, 92, 131-155 4

22	Silver Nanoparticles Induce a Size-dependent Neurotoxicity to SH-SY5Y Neuroblastoma Cells via Ferritinophagy-mediated Oxidative Stress. 2022 , 40, 1369-1379	1
21	Non-thermal plasma directly accelerates neuronal proliferation by stimulating axon formation. 2022 , 12,	1
20	The endocannabinoidome mediator N-oleoylglycine is a novel protective agent against 1-methyl-4-phenyl-pyridinium-induced neurotoxicity. 14,	0
19	Oxidative Stress and Its Modulation by Ladostigil Alter the Expression of Abundant Long Non-Coding RNAs in SH-SY5Y Cells. 2022 , 8, 72	0
18	A novel method for generating glutamatergic SH-SY5Y neuron-like cells utilizing B-27 supplement. 13,	0
17	PCSK9 Affects Astrocyte Cholesterol Metabolism and Reduces Neuron Cholesterol Supplying In Vitro: Potential Implications in Alzheimer's Disease. 2022 , 23, 12192	2
16	Neuroprotective effects of insulin-like growth factor-2 in 6-hydroxydopamine-induced cellular and mouse models of Parkinson's disease. 2023 , 18, 1099	0
15	Effect of VC on Living SH-SY5Y Cells Studied by Atomic Force Microscopy. 2022 ,	0
14	Transcriptome Analysis Reveals the Anti-Tumor Mechanism of Eucalyptol Treatment on Neuroblastoma Cell Line SH-SY5Y.	0
13	Exploring the neurogenic differentiation of human dental pulp stem cells. 2022 , 17, e0277134	0
12	In vitro study of ochratoxin A in the expression of genes associated with neuron survival and viability.. 2022 , 153376	0
11	The BE (2)-M17 cell line has a better dopaminergic phenotype than the traditionally used for Parkinson's research SH-SY5Y, which is mostly serotonergic. 2022 ,	0
10	UBA52 Is Crucial in HSP90 Ubiquitylation and Neurodegenerative Signaling during Early Phase of Parkinson's Disease. 2022 , 11, 3770	1
9	Antiparkinsonian Agents in Investigational Polymeric Micro- and Nano-Systems. 2023 , 15, 13	0
8	BII Tubulin Levels Determine the Neurotoxicity Induced by Colchicine-Site Binding Agent Indibulin.	0
7	GPD2: The relationship with cancer and neural stemness. 2023 , 173, 203824	0
6	Induction of Oxidative Stress in SH-SY5Y Cells by Overexpression of hTau40 and Its Mitigation by Redox-Active Nanoparticles. 2023 , 24, 359	0
5	Cocaine perturbs mitovesicle biology in the brain. 2023 , 12,	0

- 4 Manipulation of HSP70-SOD1 Expression Modulates SH-SY5Y Differentiation and Susceptibility to Oxidative Stress-Dependent Cell Damage: Involvement in Oxotremorine-M-Mediated Neuroprotective Effects. **2023**, 12, 687
- 3 Investigation of 2-Hydroxypropyl- β -Cyclodextrin Treatment in a Neuronal-Like Cell Model of Niemann-Bick Type C Using Quantitative Proteomics. **2023**, 34, 668-675
- 2 Breaking a Dogma: High-Throughput Live-Cell Imaging in Real-Time with Hoechst 33342.
- 1 Serum-Derived Exosomes of Patients with Depression with Increased miR-96-5p Inhibit Neuronal Differentiation by Targeting RAC1. **2023**, 19, 54-64