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Manganese neurotoxicity: a review of clinical features, imaging and pathology

DOI: PM/10385886

NeuroToxicology, 1999, 20, 227-38.

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#	Paper	IF	Citations
326	System design for in vivo neutron activation analysis measurements of manganese in the human brain: based on Monte Carlo modeling. 2000 , 53, 651-6		15
325	Pharmacokinetics of inhaled manganese phosphate in male Sprague-Dawley rats following subacute (14-day) exposure. 2000 , 163, 279-85		69
324	Results of magnetic resonance imaging in long-term manganese dioxide-exposed workers. 2001 , 85, 37-40		72
323	Metals. 2001 , 253-264		
322	Influence of particle solubility on the delivery of inhaled manganese to the rat brain: manganese sulfate and manganese tetroxide pharmacokinetics following repeated (14-day) exposure. 2001 , 170, 79-87		123
321	The role of environmental agents in Parkinson's disease. 2001 , 1, 419-426		29
320	Platelet dopamine receptors and oxidative stress parameters as markers of manganese toxicity. 2001 , 20, 631-6		9
319	An accelerator based system for in vivo neutron activation analysis measurements of manganese in human hand bones. 2002 , 29, 2718-24		30
318	Oxidative stress involves in astrocytic alterations induced by manganese. 2002 , 175, 216-25		110
317	Myoclonic involuntary movement associated with chronic manganese poisoning. 2002 , 199, 93-6		65
316	Movement disorders in the tropics. 2002 , 9, 69-75		13
315	Brain manganese concentrations in rats following manganese tetroxide inhalation are unaffected by dietary manganese intake. <i>NeuroToxicology</i> , 2002 , 23, 185-95	4.4	32
314	The relationship of particle size to olfactory nerve uptake of a non-soluble form of manganese into brain. <i>NeuroToxicology</i> , 2002 , 23, 177-83	4.4	63
313	Environmental factors in Parkinson's disease. <i>NeuroToxicology</i> , 2002 , 23, 487-502	4.4	193
312	Clearance of manganese from the rat substantia nigra following intra-nigral microinjections. 2002 , 328, 170-4		13
311	Toxin-induced mitochondrial dysfunction. 2002 , 53, 243-79		15
310	Effect of the iron chelator desferrioxamine on manganese-induced toxicity of rat pheochromocytoma (PC12) cells. 2002 , 68, 76-83		26

309	Small animal neuroimaging using magnetic resonance microscopy. 2002 , 40, 275-306		16
308	Iron interactions and other biological reactions mediating the physiological and toxic actions of manganese. 2003 , 66, 1-13		184
307	Bioaccumulation and locomotor effects of manganese phosphate/sulfate mixture in Sprague-Dawley rats following subchronic (90 days) inhalation exposure. 2003 , 191, 264-71		38
306	Brain barrier systems: a new frontier in metal neurotoxicological research. 2003 , 192, 1-11		355
305	Magnetic resonance imaging shows delayed ischemic striatal neurodegeneration. 2003 , 54, 732-47		106
304	Speciation of Mn(II) and Mn(VII) by on-line spectrophotometric sequential injection analysis. 2003 , 499, 129-137		22
303	Parkinsonism due to manganism in a welder. 2003 , 22, 393-401		106
302	Manganese neurotoxicity and glutamate-GABA interaction. 2003 , 43, 475-80		164
301	Manganese distribution in brains of Sprague-Dawley rats after 60 days of stainless steel welding-fume exposure. <i>NeuroToxicology</i> , 2003 , 24, 777-85	4-4	33
300	Neurologic effects of manganese in humans: a review. 2003 , 9, 153-63		125
299	The <i>Saccharomyces cerevisiae</i> high affinity phosphate transporter encoded by PHO84 also functions in manganese homeostasis. <i>Journal of Biological Chemistry</i> , 2003 , 278, 42036-40	5-4	118
298	Manganese activation of superoxide dismutase 2 in <i>Saccharomyces cerevisiae</i> requires MTM1, a member of the mitochondrial carrier family. 2003 , 100, 10353-7		110
297	[Neuroimaging abnormalities in parkinsonism: study of five cases]. 2003 , 61, 381-6		2
296	Old age and gender influence the pharmacokinetics of inhaled manganese sulfate and manganese phosphate in rats. 2004 , 197, 113-24		49
295	Health and environmental testing of manganese exhaust products from use of methylcyclopentadienyl manganese tricarbonyl in gasoline. 2004 , 334-335, 397-408		25
294	Airborne manganese exposure differentially affects end points of oxidative stress in an age- and sex-dependent manner. 2004 , 100, 49-62		31
293	Manganese neurotoxicity. 2004 , 1012, 115-28		365
292	Manganese toxicity upon overexposure. 2004 , 17, 544-53		560

291	In vivo, trans-synaptic tract-tracing utilizing manganese-enhanced magnetic resonance imaging (MEMRI). 2004 , 17, 595-601		124
290	Manganese induces the mitochondrial permeability transition in cultured astrocytes. <i>Journal of Biological Chemistry</i> , 2004 , 279, 32333-8	5-4	92
289	Manganese-induced cytotoxicity in dopamine-producing cells. <i>NeuroToxicology</i> , 2004 , 25, 543-53	4-4	79
288	Manganese in Neurodegeneration. 2004 , 1-13		
287	Manganese Dynamics, Distribution, and Neurotoxicity. 2004 , 395-415		
286	Manganese toxicity and <i>Saccharomyces cerevisiae</i> Mam3p, a member of the ACDP (ancient conserved domain protein) family. 2005 , 386, 479-87		31
285	Persistent alterations in biomarkers of oxidative stress resulting from combined in utero and neonatal manganese inhalation. 2005 , 104, 151-63		27
284	The in vitro uptake of glutamate in GLAST and GLT-1 transfected mutant CHO-K1 cells is inhibited by manganese. 2005 , 107, 221-30		28
283	Activation of protein kinase C delta by proteolytic cleavage contributes to manganese-induced apoptosis in dopaminergic cells: protective role of Bcl-2. 2005 , 69, 133-46		59
282	Neurobehavioral evaluation of rhesus monkey infants fed cow's milk formula, soy formula, or soy formula with added manganese. 2005 , 27, 615-27		108
281	Modeling the environmental fate of manganese from methylcyclopentadienyl manganese tricarbonyl in urban landscapes. 2005 , 339, 167-78		12
280	Manganese transport by rat brain endothelial (RBE4) cell-based transwell model in the presence of astrocyte conditioned media. 2005 , 81, 235-43		17
279	Manganese-enhanced magnetic resonance imaging of mouse brain after systemic administration of MnCl ₂ : dose-dependent and temporal evolution of T1 contrast. 2005 , 53, 640-8		148
278	Manganese enhanced magnetic resonance imaging of normal and ischemic canine heart. 2005 , 54, 196-200		28
277	Manganese dosimetry: species differences and implications for neurotoxicity. 2005 , 35, 1-32		238
276	Basal Ganglia accumulation and motor assessment following manganese chloride exposure in the C57BL/6 mouse. 2005 , 24, 389-97		48
275	Manganese transport and trafficking: lessons learned from <i>Saccharomyces cerevisiae</i> . 2005 , 4, 1159-65		131
274	A novel isoform of the secretory pathway Ca ²⁺ ,Mn(2+)-ATPase, hSPCA2, has unusual properties and is expressed in the brain. <i>Journal of Biological Chemistry</i> , 2005 , 280, 11608-14	5-4	97

273	Toxin-induced movement disorders. 2005 , 23, 429-59		5
272	NF-kappaB-dependent production of nitric oxide by astrocytes mediates apoptosis in differentiated PC12 neurons following exposure to manganese and cytokines. 2005 , 141, 39-47		35
271	Maternal-fetal distribution of manganese in the rat following inhalation exposure to manganese sulfate. <i>NeuroToxicology</i> , 2005 , 26, 625-32	4.4	21
270	Neurotoxicity of inhaled manganese: public health danger in the shower?. 2005 , 65, 607-16		41
269	Interactions between excessive manganese exposures and dietary iron-deficiency in neurodegeneration. 2005 , 19, 415-21		158
268	Manganese accumulation in striatum of mice exposed to toxic doses is dependent upon a functional dopamine transporter. 2005 , 20, 390-4		48
267	Developmental neurotoxicity of industrial chemicals. 2006 , 368, 2167-78		1345
266	Comparison of trace element concentrations in livers of diseased, emaciated and non-diseased southern sea otters from the California coast. 2006 , 65, 2160-7		32
265	The effects of manganese on glutamate, dopamine and gamma-aminobutyric acid regulation. 2006 , 48, 426-33		114
264	Manganese induces inducible nitric oxide synthase (iNOS) expression via activation of both MAP kinase and PI3K/Akt pathways in BV2 microglial cells. 2006 , 398, 151-4		64
263	Economic implications of manganese neurotoxicity. <i>NeuroToxicology</i> , 2006 , 27, 362-8	4.4	39
262	Fate of manganese associated with the inhalation of welding fumes: potential neurological effects. <i>NeuroToxicology</i> , 2006 , 27, 304-10	4.4	78
261	The Manganese Health Research Program (MHRP): status report and future research needs and directions. <i>NeuroToxicology</i> , 2006 , 27, 733-6	4.4	36
260	Acute manganese administration alters dopamine transporter levels in the non-human primate striatum. <i>NeuroToxicology</i> , 2006 , 27, 229-36	4.4	76
259	The emergence of manganese-related health problems in Quebec: an integrated approach to evaluation, diagnosis, management and control. <i>NeuroToxicology</i> , 2006 , 27, 350-6	4.4	13
258	The use of magnetic resonance imaging (MRI) in the study of manganese neurotoxicity. <i>NeuroToxicology</i> , 2006 , 27, 798-806	4.4	56
257	Application of pharmacokinetic data to the risk assessment of inhaled manganese. <i>NeuroToxicology</i> , 2006 , 27, 752-64	4.4	50
256	Effects of inhaled manganese on biomarkers of oxidative stress in the rat brain. <i>NeuroToxicology</i> , 2006 , 27, 788-97	4.4	37

255	Determining the oxidation states of manganese in NT2 cells and cultured astrocytes. 2006 , 27, 1816-26	33
254	Effective treatment of manganese-induced occupational Parkinsonism with p-aminosalicylic acid: a case of 17-year follow-up study. 2006 , 48, 644-9	96
253	The mammalian striatum and neurotoxic injury. 2002 , 12, 482-7	9
252	Effects of acute manganese chloride exposure on lipid peroxidation and alteration of trace metals in rat brain. 2006 , 110, 163-78	23
251	Alterations of oxidative stress biomarkers due to in utero and neonatal exposures of airborne manganese. 2006 , 111, 199-215	42
250	Effects of chronic manganese exposure on cognitive and motor functioning in non-human primates. 2006 , 1118, 222-31	80
249	Effect of maternal manganese blood levels on erythrocyte calcium-pump activity in newborns. 2006 , 354, 28-34	27
248	The influence of high iron diet on rat lung manganese absorption. 2006 , 210, 17-23	46
247	Neuropathology, tremor and electromyogram in rats exposed to manganese phosphate/sulfate mixture. 2006 , 26, 419-26	10
246	Progressive motor syndrome in a welder with pallidal T1 hyperintensity on MRI: A two-year follow-up. 2006 , 21, 2197-200	26
245	Temporal responses in the disruption of iron regulation by manganese. 2006 , 83, 1601-10	41
244	Copper and manganese induce yeast apoptosis via different pathways. 2007 , 18, 4741-9	103
243	Putative proteins involved in manganese transport across the blood-brain barrier. 2007 , 26, 295-302	26
242	Iron deficient and manganese supplemented diets alter metals and transporters in the developing rat brain. 2007 , 95, 205-14	86
241	Manganese-Induced Oxidative Stress. 2007 , 433-450	
240	Manganese: a unique neuroimaging contrast agent. 2007 , 2, 297-305	15
239	State-of-the-science review: Does manganese exposure during welding pose a neurological risk?. 2007 , 10, 417-65	76
238	Inhibition of DAT function attenuates manganese accumulation in the globus pallidus. 2007 , 23, 179-84	59

237	Manganese intoxication decreases the expression of manganoproteins in the rat basal ganglia: an immunohistochemical study. 2007 , 74, 406-15		37
236	Neuropsychiatric symptoms and past manganese exposure in a ferro-alloy plant. <i>NeuroToxicology</i> , 2007 , 28, 290-7	4.4	50
235	Gene expression profiling of human primary astrocytes exposed to manganese chloride indicates selective effects on several functions of the cells. <i>NeuroToxicology</i> , 2007 , 28, 478-89	4.4	30
234	Low-level manganese exposure alters glutamate metabolism in GABAergic AF5 cells. <i>NeuroToxicology</i> , 2007 , 28, 548-54	4.4	25
233	Effects of manganese on thyroid hormone homeostasis: potential links. <i>NeuroToxicology</i> , 2007 , 28, 951-64	4.4	72
232	Effects of voltage and wire feed speed on weld fume characteristics. 2007 , 4, 903-12		18
231	Environmental, biochemical and molecular factors regulating manganese-induced neurological injury. 2007 , 3, 110-122		
230	Neurobehavioral functioning after cessation of manganese exposure: a follow-up after 14 years. 2007 , 50, 831-40		60
229	Basal ganglia neurotransmitter concentrations in rhesus monkeys following subchronic manganese sulfate inhalation. 2007 , 50, 772-8		55
228	Nmr spectroscopic analysis of regional brain energy metabolism in manganese neurotoxicity. 2007 , 55, 1610-7		21
227	Manganese targets m-aconitase and activates iron regulatory protein 2 in AF5 GABAergic cells. 2007 , 85, 1797-809		21
226	The use of slurry sampling for the determination of manganese and copper in various samples by electrothermal atomic absorption spectrometry. 2007 , 143, 87-94		27
225	Magnetic resonance imaging of functional anatomy: use for small animal epilepsy models. 2007 , 48 Suppl 4, 11-7		20
224	Manganese neurotoxicity: a focus on the neonate. 2007 , 113, 369-77		178
223	Manganese: recent advances in understanding its transport and neurotoxicity. 2007 , 221, 131-47		461
222	Human neuromelanin induces neuroinflammation and neurodegeneration in the rat substantia nigra: implications for Parkinson's disease. 2008 , 116, 47-55		132
221	Manganese potentiates nuclear factor-kappaB-dependent expression of nitric oxide synthase 2 in astrocytes by activating soluble guanylate cyclase and extracellular responsive kinase signaling pathways. 2008 , 86, 2028-38		43
220	Extraocular muscle dystonia due to acquired (non-Wilsonian) hepatocerebral degeneration. 2008 , 23, 875-8		8

219	Fractionated manganese-enhanced MRI. 2008 , 21, 473-8		70
218	The neurotoxic effects of manganese on the dopaminergic innervation of the gill of the bivalve mollusc, <i>Crassostrea virginica</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2008 , 148, 152-9	3.2	17
217	Caspase-dependent apoptosis in yeast. 2008 , 1783, 1320-7		92
216	Cerebrospinal fluid to brain transport of manganese in a non-human primate revealed by MRI. 2008 , 1198, 160-70		64
215	Allergic enterocolitis and protein-losing enteropathy as the presentations of manganese leak from an ingested disk battery: a case report. 2008 , 2, 286		1
214	Manganese activates the mitochondrial apoptotic pathway in rat astrocytes by modulating the expression of proteins of the Bcl-2 family. 2008 , 53, 408-15		51
213	A neurobehavioral study of current and former welders exposed to manganese. <i>NeuroToxicology</i> , 2008 , 29, 48-59	4.4	97
212	Sub-cellular localization of manganese in the basal ganglia of normal and manganese-treated rats. An electron spectroscopy imaging and electron energy-loss spectroscopy study. <i>NeuroToxicology</i> , 2008 , 29, 60-72	4.4	92
211	Duration of airborne-manganese exposure in rhesus monkeys is associated with brain regional changes in biomarkers of neurotoxicity. <i>NeuroToxicology</i> , 2008 , 29, 377-85	4.4	59
210	Manganese cumulative exposure and symptoms: a follow-up study of alloy workers. <i>NeuroToxicology</i> , 2008 , 29, 577-83	4.4	53
209	Manganese exposure alters extracellular GABA, GABA receptor and transporter protein and mRNA levels in the developing rat brain. <i>NeuroToxicology</i> , 2008 , 29, 1044-53	4.4	44
208	Postnatal manganese exposure alters dopamine transporter function in adult rats: Potential impact on nonassociative and associative processes. 2008 , 154, 848-60		56
207	Inhalation of divalent and trivalent manganese mixture induces a Parkinson's disease model: immunocytochemical and behavioral evidences. 2008 , 155, 7-16		21
206	Molecular mechanism of manganese exposure-induced dopaminergic toxicity. 2008 , 76, 361-7		67
205	Measuring brain manganese and iron accumulation in rats following 14 weeks of low-dose manganese treatment using atomic absorption spectroscopy and magnetic resonance imaging. 2008 , 103, 116-24		62
204	Mapping prefrontal circuits in vivo with manganese-enhanced magnetic resonance imaging in monkeys. 2008 , 28, 7637-47		25
203	Metabolomic analyses of body fluids after subchronic manganese inhalation in rhesus monkeys. 2008 , 106, 46-54		19
202	Developmental exposure to manganese increases adult susceptibility to inflammatory activation of glia and neuronal protein nitration. 2009 , 112, 405-15		47

201	Extracellular norepinephrine, norepinephrine receptor and transporter protein and mRNA levels are differentially altered in the developing rat brain due to dietary iron deficiency and manganese exposure. 2009 , 1281, 1-14	36
200	Neuroprotective effects of (arylthio)cyclopentenone derivatives on manganese-induced apoptosis in PC12 cells. 2009 , 1294, 218-25	12
199	Bone manganese as a biomarker of manganese exposure: a feasibility study. 2009 , 52, 742-50	24
198	Manganese-enhanced MRI visualizes V1 in the non-human primate visual cortex. 2009 , 22, 730-6	24
197	Acquired hepatocerebral degeneration. 2009 , 256, 320-32	74
196	Changes in Dietary Iron Levels Affect Brain Manganese Accumulation and Distribution. 2009 , 25, 185-215	
195	Manganese and its role in Parkinson's disease: from transport to neuropathology. 2009 , 11, 252-66	213
194	Are there common biochemical and molecular mechanisms controlling manganese and parkinsonism. 2009 , 11, 281-96	75
193	A chronic iron-deficient/high-manganese diet in rodents results in increased brain oxidative stress and behavioral deficits in the morris water maze. 2009 , 15, 167-78	32
192	Impact of gasoline inhalation on some neurobehavioural characteristics of male rats. 2009 , 9, 21	15
191	Manganese disrupts astrocyte glutamine transporter expression and function. 2009 , 110, 822-30	60
190	Manganese homeostasis in <i>Saccharomyces cerevisiae</i> . 2009 , 109, 4722-32	97
189	Manganese tissue dosimetry in rats and monkeys: accounting for dietary and inhaled Mn with physiologically based pharmacokinetic modeling. 2009 , 108, 22-34	39
188	Cognitive impairment in an adult Mexican population non-occupationally exposed to manganese. 2009 , 28, 172-8	43
187	Microglia enhance manganese chloride-induced dopaminergic neurodegeneration: role of free radical generation. 2009 , 217, 219-30	50
186	Spatial analysis of human health risk associated with ingesting manganese in Huangxing Town, Middle China. 2009 , 77, 368-75	63
185	Mild steel welding fume causes manganese accumulation and subtle neuroinflammatory changes but not overt neuronal damage in discrete brain regions of rats after short-term inhalation exposure. <i>NeuroToxicology</i> , 2009 , 30, 915-25	4-4 50
184	Neurotoxicity following chronic intravenous use of "Russian cocktail". 2009 , 47, 157-60	39

183	Gestational manganese intoxication and anxiolytic-like effects of diazepam and the 5-HT1A receptor agonist 8-OH-DPAT in male Wistar rats. 2009 , 61, 1061-8		2
182	Dopaminergic neurotoxicity following pulmonary exposure to manganese-containing welding fumes. 2010 , 84, 521-40		68
181	Solid-phase extraction of Mn(II) and slurry analysis of the sorbent by electrothermal atomic absorption spectrometry. 2010 , 160, 199-206		7
180	Rat brain endothelial cells are a target of manganese toxicity. 2010 , 1326, 152-61		25
179	Genetic polymorphism of CYP2D6*2 C- π 2850, GSTM1, NQO1 genes and their correlation with biomarkers in manganese miners of Central India. 2010 , 81, 1286-91		9
178	Effects of p-Aminosalicylic acid on the neurotoxicity of manganese on the dopaminergic innervation of the cilia of the lateral cells of the gill of the bivalve mollusc, <i>Crassostrea virginica</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010 , 151, 264-70	3.2	18
177	Acquired hepatocerebral degeneration: clinical characteristics and MRI findings. 2010 , 17, 1463-70		50
176	Synergistic dopaminergic neurotoxicity of manganese and lipopolysaccharide: differential involvement of microglia and astroglia. 2010 , 112, 434-43		62
175	Extracellular dopamine potentiates mn-induced oxidative stress, lifespan reduction, and dopaminergic neurodegeneration in a BLI-3-dependent manner in <i>Caenorhabditis elegans</i> . 2010 , 6, e1001084		141
174	Chronic exposure to manganese alters brain responses to amphetamine: a pharmacological magnetic resonance imaging study. 2010 , 114, 310-22		7
173	Multi-dose-route, multi-species pharmacokinetic models for manganese and their use in risk assessment. 2010 , 73, 217-34		25
172	L-DOPA treatment reverses the motor alterations induced by manganese exposure as a Parkinson disease experimental model. 2010 , 471, 79-82		18
171	Environmental manganese exposure in residents living near a ferromanganese refinery in Southeast Ohio: a pilot study. <i>NeuroToxicology</i> , 2010 , 31, 468-74	4.4	50
170	Manganese exposure inhibits the clearance of extracellular GABA and influences taurine homeostasis in the striatum of developing rats. <i>NeuroToxicology</i> , 2010 , 31, 639-46	4.4	29
169	Induction of oxidative stress and inflammatory cytokines by manganese chloride in cultured T98G cells, human brain glioblastoma cell line. 2010 , 24, 472-9		23
168	Neurotoxicology of Metals*. 2010 , 483-497		2
167	Risk assessment of an essential element: manganese. 2010 , 73, 128-55		103
166	The effect of occupational exposure to manganese dust and fume on neuropsychological functioning in Australian smelter workers. 2011 , 33, 692-703		7

165	The Importance of Trace Elements for Neurological Function. 2011 , 423-439		3
164	Manganese. 2011 , 439-450		
163	Manganese effects in the liver following subacute or subchronic manganese chloride exposure in rats. 2011 , 74, 615-22		31
162	Altered white matter microstructural integrity revealed by voxel-wise analysis of diffusion tensor imaging in welders with manganese exposure. <i>NeuroToxicology</i> , 2011 , 32, 100-9	4.4	39
161	Millimolar Mn ²⁺ influences agonist binding to 5-HT _{1A} receptors by inhibiting guanosine nucleotide binding to receptor-coupled G-proteins. <i>NeuroToxicology</i> , 2011 , 32, 25-30	4.4	5
160	Manganese is toxic to spiral ganglion neurons and hair cells in vitro. <i>NeuroToxicology</i> , 2011 , 32, 233-41	4.4	55
159	Environmental exposure to manganese and motor function of children in Mexico. <i>NeuroToxicology</i> , 2011 , 32, 615-21	4.4	61
158	Manganese potentiates LPS-induced heme-oxygenase 1 in microglia but not dopaminergic cells: role in controlling microglial hydrogen peroxide and inflammatory cytokine output. <i>NeuroToxicology</i> , 2011 , 32, 683-92	4.4	33
157	Manganese-enhanced magnetic resonance imaging. 2011 , 771, 531-68		13
156	In vivo detection of cortical abnormalities in BCNU-treated rats, model of cortical dysplasia, using manganese-enhanced magnetic resonance imaging. 2011 , 192, 564-71		5
155	Developing a bidirectional academic-community partnership with an Appalachian-American community for environmental health research and risk communication. 2011 , 119, 1364-72		35
154	Manganese inhalation as a Parkinson disease model. 2010 , 2011, 612989		13
153	Features of microglia and neuroinflammation relevant to environmental exposure and neurotoxicity. <i>International Journal of Environmental Research and Public Health</i> , 2011 , 8, 2980-3018	4.6	189
152	Altered striatal dopamine release following a sub-acute exposure to manganese. 2011 , 202, 182-91		32
151	Blood manganese levels in patients with hepatic encephalopathy. 2011 , 25, 225-9		23
150	Role of manganese in neurodegenerative diseases. 2011 , 25, 191-203		249
149	Manganese accumulation in the CNS and associated pathologies. 2011 , 24, 811-25		87
148	Novel ATP13A2 (PARK9) homozygous mutation in a family with marked phenotype variability. 2011 , 12, 33-9		72

147	G0/G1 phase arrest and apoptosis induced by manganese chloride on cultured rat astrocytes and protective effects of riluzole. 2011 , 144, 832-42		8
146	Some kinetic singularities of Mg ²⁺ -dependent Mn-ATPase in rat brain synaptic membranes. 2011 , 144, 951-64		
145	Disruption of astrocytic glutamine turnover by manganese is mediated by the protein kinase C pathway. 2011 , 59, 1732-43		38
144	Manganese accumulation in the olfactory bulbs and other brain regions of "asymptomatic" welders. 2011 , 121, 160-7		43
143	Nonprimary dystonias. 2011 , 100, 513-38		15
142	Effect of manganese chloride on the neurochemical profile of the rat hypothalamus. 2011 , 31, 2324-33		15
141	Analysis of manganese tracer kinetics and target tissue dosimetry in monkeys and humans with multi-route physiologically based pharmacokinetic models. 2011 , 120, 481-98		52
140	Changes in dietary iron exacerbate regional brain manganese accumulation as determined by magnetic resonance imaging. 2011 , 120, 146-53		77
139	Optimisation of whole blood and plasma manganese assay by ICP-MS without use of a collision cell. 2011 , 50, 317-23		15
138	Manganese and Rhenium. 2012 , 607-636		2
137	Intranasal exposure to manganese disrupts neurotransmitter release from glutamatergic synapses in the central nervous system in vivo. <i>NeuroToxicology</i> , 2012 , 33, 996-1004	4-4	25
136	Manganese mixture inhalation is a reliable Parkinson disease model in rats. <i>NeuroToxicology</i> , 2012 , 33, 1346-55	4-4	30
135	Inter-tissue networks between the basal forebrain, hippocampus, and prefrontal cortex in a model for depression caused by disturbed sleep. 2012 , 26, 397-412		3
134	Impact of manganese on and transfer across blood-brain and blood-cerebrospinal fluid barrier in vitro. <i>Journal of Biological Chemistry</i> , 2012 , 287, 17140-17151	5-4	52
133	Basal ganglia intensity indices and diffusion weighted imaging in manganese-exposed welders. 2012 , 69, 437-43		78
132	Effect of glutamate and riluzole on manganese-induced apoptotic cell signaling in neuronally differentiated mouse P19 Cells. 2012 , 61, 25-33		7
131	Industrial toxicants and Parkinson's disease. <i>NeuroToxicology</i> , 2012 , 33, 178-88	4-4	90
130	The iron transporter ferroportin can also function as a manganese exporter. 2012 , 1818, 651-7		99

129	Disease-toxicant interactions in manganese exposed Huntington disease mice: early changes in striatal neuron morphology and dopamine metabolism. <i>PLoS ONE</i> , 2012 , 7, e31024	3-7	36
128	Mangan und seine anorganischen Verbindungen [BAT Value Documentation in German language, 2003]. 2012 , 1-29		
127	Manganese and its inorganic compounds [BAT Value Documentation, 2005]. 2012 , 90-115		
126	Microcoil-based MR phase imaging and manganese enhanced microscopy of glial tumor neurospheres with direct optical correlation. 2012 , 68, 86-97		6
125	Manganese-enhanced MRI optic nerve tracking: effect of intravitreal manganese dose on retinal toxicity. 2012 , 25, 1360-8		12
124	Evaluation of manganese uptake and toxicity in mouse brain during continuous MnCl ₂ administration using osmotic pumps. 2012 , 7, 426-34		37
123	Assessment of personal exposure to manganese in children living near a ferromanganese refinery. 2012 , 427-428, 19-25		34
122	Waterborne manganese exposure alters plasma, brain, and liver metabolites accompanied by changes in stereotypic behaviors. 2012 , 34, 27-36		29
121	The inhibitory effect of manganese on acetylcholinesterase activity enhances oxidative stress and neuroinflammation in the rat brain. 2012 , 292, 90-8		84
120	Manganese neurotoxicity: a focus on glutamate transporters. 2013 , 25, 4		48
119	Levels of metallic elements and their potential relationships to cognitive function among elderly from Federal Land Development Authority (FELDA) settlement in Selangor Malaysia. 2013 , 153, 16-21		17
118	Manganese inhibits ATP-induced calcium entry through the transient receptor potential channel TRPC3 in astrocytes. <i>NeuroToxicology</i> , 2013 , 34, 160-6	4-4	24
117	Manganese toxicity in the central nervous system: the glutamine/glutamate- γ -aminobutyric acid cycle. 2013 , 273, 466-77		68
116	Evaluation of neurobehavioral and neuroinflammatory end-points in the post-exposure period in rats sub-acute exposed to manganese. 2013 , 314, 95-9		15
115	Inhibition of Mn(2+)-induced error-prone DNA synthesis with Cd(2+) and Zn(2+). 2013 , 78, 1137-45		3
114	The Ca ²⁺ /Mn ²⁺ ion-pump PMR1 links elevation of cytosolic Ca(2+) levels to β -synuclein toxicity in Parkinson's disease models. 2013 , 20, 465-77		47
113	Perspective of functional magnetic resonance imaging in middle ear research. 2013 , 301, 183-92		2
112	New factors influencing G protein coupled receptors system functions Peer review under responsibility of Alexandria University Faculty of Medicine. View all notes Available online 24 November 2012 View all notes. 2013 , 49, 1-5		13

111	Estrogen attenuates manganese-induced glutamate transporter impairment in rat primary astrocytes. 2013 , 23, 124-30		24
110	Metals, oxidative stress and neurodegeneration: a focus on iron, manganese and mercury. 2013 , 62, 575-94		347
109	Manganese homeostasis and transport. 2013 , 12, 169-201		39
108	Down-regulation of LRRK2 in control and DAT transfected HEK cells increases manganese-induced oxidative stress and cell toxicity. <i>NeuroToxicology</i> , 2013 , 37, 100-7	4.4	9
107	Home cage locomotor changes in non-human primates after prolonged welding-fume exposure. 2013 , 25, 794-801		4
106	Nonoccupational environmental exposure to manganese is linked to deficits in peripheral and central olfactory function. 2013 , 38, 783-91		37
105	Manganese neurotoxicity: new perspectives from behavioral, neuroimaging, and neuropathological studies in humans and non-human primates. 2013 , 5, 23		121
104	Manganese. 2014 , 150-152		
103	Pallidal index as biomarker of manganese brain accumulation and associated with manganese levels in blood: a meta-analysis. <i>PLoS ONE</i> , 2014 , 9, e93900	3.7	26
102	Movement disorders in liver disease. 144-171		
101	Manganese Neurotoxicity. 2014 , 843-864		1
100	Vulnerability of welders to manganese exposure--a neuroimaging study. <i>NeuroToxicology</i> , 2014 , 45, 285-94	4.4	64
99	Nicotinamide adenine dinucleotide prevents neuroaxonal degeneration induced by manganese in cochlear organotypic cultures. <i>NeuroToxicology</i> , 2014 , 40, 65-74	4.4	21
98	Brain deposition and neurotoxicity of manganese in adult mice exposed via the drinking water. 2014 , 88, 47-64		42
97	Correlation between the biochemical pathways altered by mutated parkinson-related genes and chronic exposure to manganese. <i>NeuroToxicology</i> , 2014 , 44, 314-25	4.4	33
96	Cellular localization and developmental changes of Zip8, Zip14 and transferrin receptor 1 in the inner ear of rats. 2014 , 27, 731-44		23
95	Manganese-induced infidelity of DNA synthesis as a possible cause of manganism. 2014 , 29, 16-22		
94	The interaction between manganese exposure and alcohol on neurobehavioral outcomes in welders. 2014 , 41, 8-15		26

93	Astrocyte-derived growth factors and estrogen neuroprotection: role of transforming growth factor- β in estrogen-induced upregulation of glutamate transporters in astrocytes. 2014 , 389, 58-64		55
92	Manganese. 2015 , 149-156		
91	Extrapyramidal system neurotoxicity: animal models. 2015 , 131, 207-23		4
90	Occupational exposures and parkinsonism. 2015 , 131, 225-39		14
89	Manganese-Induced Parkinsonism and Parkinson's Disease: Shared and Distinguishable Features. <i>International Journal of Environmental Research and Public Health</i> , 2015 , 12, 7519-40	4.6	176
88	Prevalence of Parkinsonism and Parkinson's disease in Qena governorate/Egypt: a cross-sectional community-based survey. 2015 , 37, 607-18		10
87	Correlation of aluminum and manganese concentration in scalp hair samples of patients having neurological disorders. 2015 , 187, 10		8
86	T1 Relaxation Rate (R1) Indicates Nonlinear Mn Accumulation in Brain Tissue of Welders With Low-Level Exposure. 2015 , 146, 281-9		32
85	Manganese Fractionation Using a Sequential Extraction Method to Evaluate Welders' Shielded Metal Arc Welding Exposures During Construction Projects in Oil Refineries. 2015 , 12, 774-84		6
84	The Role of Iron and Other Trace Elements on Mental Development and Cognitive Function. 2015 , 157-179		
83	Effect of manganese treatment on the accumulation on biologically relevant metals in rat cochlea and brain by inductively coupled plasma mass spectrometry. 2015 , 28, 1009-16		3
82	Association of antitumor antibiotic Mithramycin with Mn ²⁺ and the potential cellular targets of Mithramycin after association with Mn ²⁺ . 2015 , 33, 434-46		3
81	Manganese. 2015 , 975-1011		6
80	Manganese. 2016 , 737-740		
79	Medication use associated with exposure to manganese in two Ohio towns. 2016 , 26, 483-96		4
78	Synergy as a new and sensitive marker of basal ganglia dysfunction: A study of asymptomatic welders. <i>NeuroToxicology</i> , 2016 , 56, 76-85	4.4	30
77	Ototoxicity of Divalent Metals. 2016 , 30, 268-82		25
76	Longitudinal T1 relaxation rate (R1) captures changes in short-term Mn exposure in welders. <i>NeuroToxicology</i> , 2016 , 57, 39-44	4.4	13

75	Manganese neurotoxicity: behavioral disorders associated with dysfunctions in the basal ganglia and neurochemical transmission. 2016 , 136, 677-691		72
74	Tailoring Ligand Environment toward Development of Colorimetric and Fluorescence Indicator for Biological Mn(II) Imaging. 2016 , 88, 1106-10		14
73	The effects of preweaning manganese exposure on spatial learning ability and p-CaMKII β level in the hippocampus. <i>NeuroToxicology</i> , 2016 , 52, 98-103	4.4	6
72	Sodium Para-aminosalicylic Acid Protected Primary Cultured Basal Ganglia Neurons of Rat from Manganese-Induced Oxidative Impairment and Changes of Amino Acid Neurotransmitters. 2016 , 170, 357-65		13
71	Size-Dependent Toxicity Differences of Intratracheally Instilled Manganese Oxide Nanoparticles: Conclusions of a Subacute Animal Experiment. 2016 , 171, 156-66		20
70	Contributions to magnetic susceptibility of brain tissue. 2017 , 30, e3546		79
69	Mechanistic insight into neurotoxicity induced by developmental insults. 2017 , 482, 408-418		20
68	Redox dynamics of manganese as a mitochondrial life-death switch. 2017 , 482, 388-398		75
67	Exploring Manganese Fractionation Using a Sequential Extraction Method to Evaluate Welders' Gas Metal Arc Welding Exposures during Heavy Equipment Manufacturing. 2017 , 61, 123-134		1
66	Manganese(II) Chloride Alters Nucleotide and Nucleoside Catabolism in Zebrafish (<i>Danio rerio</i>) Adult Brain. 2018 , 55, 3866-3874		1
65	Nanomolar sensitive colorimetric assay for Mn using cysteic acid-capped silver nanoparticles and theoretical investigation of its sensing mechanism. 2017 , 980, 65-71		9
64	An Mn^{2+} Fluorescence assay based on silicon nanoparticles for selective detection of manganese(II). 2017 , 9, 2553-2560		23
63	Continuous infusion of manganese improves contrast and reduces side effects in manganese-enhanced magnetic resonance imaging studies. 2017 , 147, 1-9		16
62	Tumor acidity-activatable manganese phosphate nanoplatfom for amplification of photodynamic cancer therapy and magnetic resonance imaging. 2017 , 62, 293-305		27
61	Affected energy metabolism under manganese stress governs cellular toxicity. 2017 , 7, 11645		25
60	Occupational Metal Exposure and Parkinsonism. 2017 , 18, 143-158		17
59	Disease-Toxicant Interactions in Parkinson's Disease Neuropathology. <i>Neurochemical Research</i> , 2017 , 42, 1772-1786	4.6	13
58	Manganese Neurodegeneration. 2017 , 1, 157-183		1

57	Manganese. 2017 , 567-581		7
56	Sodium p-Aminosalicylic Acid Reverses Sub-Chronic Manganese-Induced Impairments of Spatial Learning and Memory Abilities in Rats, but Fails to Restore γ -Aminobutyric Acid Levels. <i>International Journal of Environmental Research and Public Health</i> , 2017 , 14,	4.6	8
55	Involvement of gap junctions in astrocyte impairment induced by manganese exposure. 2018 , 140, 107-113		5
54	Association of MRI T1 relaxation time with neuropsychological test performance in manganese-exposed welders. <i>NeuroToxicology</i> , 2018 , 64, 19-29	4.4	10
53	Welding-related brain and functional changes in welders with chronic and low-level exposure. <i>NeuroToxicology</i> , 2018 , 64, 50-59	4.4	16
52	Neurotoxicology of Metals. 2018 , 476-488		
51	Manganese causes neurotoxic iron accumulation via translational repression of amyloid precursor protein and H-Ferritin. 2018 , 147, 831-848		44
50	Valproic acid attenuates manganese-induced reduction in expression of GLT-1 and GLAST with concomitant changes in murine dopaminergic neurotoxicity. <i>NeuroToxicology</i> , 2018 , 67, 112-120	4.4	21
49	In vitro meningeal permeation of MnFeO nanoparticles. 2018 , 293, 48-54		3
48	Manganese toxicity is targeting an early step in the dopamine signal transduction pathway that controls lateral cilia activity in the bivalve mollusc <i>Crassostrea virginica</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2018 , 213, 1-6	3.2	9
47	Manganese attenuates the effects of arsenic on neurobehavioral and biochemical changes in mice co-exposed to arsenic and manganese. 2019 , 26, 29257-29266		9
46	Environmental neurotoxicant-induced dopaminergic neurodegeneration: a potential link to impaired neuroinflammatory mechanisms. 2019 , 197, 61-82		15
45	Solvent-induced terbium metal-organic frameworks for highly selective detection of manganese(ii) ions. 2019 , 48, 2569-2573		23
44	Salidroside protects inner ear hair cells and spiral ganglion neurons from manganese exposure by regulating ROS levels and inhibiting apoptosis. 2019 , 310, 51-60		7
43	Manganese-enhanced magnetic resonance imaging in the whole visual pathway: chemical identification and neurotoxic changes. 2019 , 60, 1653-1662		1
42	PKA- and Ca-dependent p38 MAPK/CREB activation protects against manganese-mediated neuronal apoptosis. 2019 , 309, 10-19		19
41	PET imaging of dopamine release in the frontal cortex of manganese-exposed non-human primates. 2019 , 150, 188-201		6
40	Butyrylcholinesterase-a potential plasma biomarker in manganese-induced neurobehavioral changes. 2019 , 26, 6378-6387		8

39	Methylcyclopentadienyl manganese tricarbonyl increases cell vulnerability to oxidative stress on rat thymocytes. 2019 , 42, 140-146		3
38	Neurotoxicity mechanisms of manganese in the central nervous system. 2021 , 5, 215-238		3
37	Pressure-driven accumulation of Mn-doped mesoporous silica nanoparticles containing 5-aza-2-deoxycytidine and docetaxel at tumours with a dry cupping device. 2021 , 29, 900-909		2
36	Neuropathogenesis of Multiple Sclerosis and Huntington's Disease. 2021 , 59-78		
35	Manganese and Rhenium.		1
34	Toxic Encephalopathies. 2005 , 664-678		1
33	Manganese Toxicity and the Glutamine-Glutamate Cycle. 2015 , 401-413		1
32	Oxidative Stress in Hepatic Encephalopathy. 2012 , 47-70		1
31	Oxidative Stress in the Central Nervous System Complications of Chronic Liver Failure. 2015 , 357-370		1
30	Functional Stereotactic Procedures for Treatment of Secondary Dystonia. 2009 , 1835-1856		2
29	Manganese in health and disease. 2013 , 13, 199-227		117
28	Role of manganese in hepatic encephalopathy. 2003 , 251-264		3
27	Manganese. 2005 , 11-13		1
26	Affected energy metabolism is the primal cause of manganese toxicity. 2020 , 107-130		1
25	Transport and Biological Impact of Manganese. 2010 , 127-141		1
24	The role of the Parkinson's disease gene PARK9 in essential cellular pathways and the manganese homeostasis network in yeast. <i>PLoS ONE</i> , 2012 , 7, e34178	3-7	35
23	Manganism without Parkinsonism: Isolated Unilateral Upper Limb Tremor in a Welder. <i>Journal of Movement Disorders</i> , 2019 , 12, 135-137	2.9	0
22	Carnosine Mitigates Manganese Mitotoxicity in an In Vitro Model of Isolated Brain Mitochondria. <i>Advanced Pharmaceutical Bulletin</i> , 2019 , 9, 294-301	4-5	5

21	Novel fermented chickpea milk with enhanced level of β -aminobutyric acid and neuroprotective effect on PC12 cells. <i>PeerJ</i> , 2016 , 4, e2292	3.1	23
20	Cross-sectional study of expression of divalent metal transporter-1, transferrin, and hepcidin in blood of smelters who are occupationally exposed to manganese. <i>PeerJ</i> , 2016 , 4, e2413	3.1	7
19	Recent Updates on Acquired Hepatocerebral Degeneration. <i>Tremor and Other Hyperkinetic Movements</i> , 2017 , 7, 463	2	13
18	Divalent metal transporter DMT1 (SLC11A2). 2003 , 107-122		
17	Drug- and Toxin-Induced Tremor. <i>Neurological Disease and Therapy</i> , 2005 , 329-360		
16	Manganese. 2006 , 2200-2203		
15	Manganese. 2010 , 155-159		
14	Cock-walk. 2010 , 228-230		
13	The Neurochemical Alterations Associated with Manganese Toxicity. 2012 , 549-567		
12	Manganese and Neurodegeneration. 2017 , 117-151		1
11	Toxicology. 2018 , 81-95		
10	Neuropathogenesis of Multiple Sclerosis and Huntington's Disease. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2019 , 266-285	0.4	
9	Astrocytic transcription factor REST upregulates glutamate transporter EAAT2, protecting dopaminergic neurons from manganese-induced excitotoxicity. <i>Journal of Biological Chemistry</i> , 2021 , 297, 101372	5.4	1
8	Examining the effect of manganese on physiological processes: Invertebrate models. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2022 , 251, 109209	3.2	1
7	Mangan (Mn). 2006 , 145-157		
6	Specific Types of Neurotoxins. 2006 , 339-370		
5	Effects of p-Aminosalicylic acid on the Neurotoxicity of Manganese and Levels of Dopamine and Serotonin in the Nervous System and Innervated Organs of <i>Crassostrea virginica</i> . 2008 , 29, 26-34		8
4	The Ability of PAS, Acetylsalicylic Acid and Calcium Disodium EDTA to Protect Against the Toxic Effects of Manganese on Mitochondrial Respiration in Gill of <i>Crassostrea virginica</i> . 2011 , 33, 7-14		4

3	The effects of occupational exposure to manganese fume on neurobehavioral and neurocognitive functions: An analytical cross-sectional study among welders. <i>EXCLI Journal</i> , 2020 , 19, 372-386	2.4	2
2	Methylcyclopentadienyl Manganese Tricarbonyl Alter Behavior and Cause Ultrastructural Changes in the Substantia Nigra of Rats: Comparison with Inorganic Manganese Chloride.. <i>Neurochemical Research</i> , 2022 , 1	4.6	0
1	Environmental Influences on the Behavioural and Emotional Outcomes of Children: A Network Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2022 , 19, 8479	4.6	0