

CITATION REPORT

List of articles citing

Aluminum in hippocampal neurons from humans with Alzheimer's disease

DOI: 10.1016/j.neuro.2005.11.007
NeuroToxicology, 2006, 27, 385-94.

Source: <https://exaly.com/paper-pdf/39907065/citation-report.pdf>

Version: 2024-04-20

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
241	Aluminum and Alzheimer's disease: a new look. 2006 , 10, 179-201		81
240	A new insight on Al-maltolate-treated aged rabbit as Alzheimer's animal model. 2006 , 52, 275-92		63
239	Aluminum exposure decreases dopamine D1 and D2 receptor expression in mouse brain. 2007 , 26, 741-6		10
238	The redox chemistry of the Alzheimer's disease amyloid beta peptide. 2007 , 1768, 1976-90		458
237	A longitudinal study of rats chronically exposed to aluminum at human dietary levels. 2007 , 412, 29-33		54
236	Differential toxicity of novel aluminium compounds in hippocampal culture. <i>NeuroToxicology</i> , 2007 , 28, 576-86	4.4	26
235	An aluminum-based rat model for Alzheimer's disease exhibits oxidative damage, inhibition of PP2A activity, hyperphosphorylated tau, and granulovacuolar degeneration. 2007 , 101, 1275-84		142
234	Determination of serum aluminum by electrothermal atomic absorption spectrometry: A comparison between Zeeman and continuum background correction systems. 2007 , 62, 288-296		16
233	Aluminum stimulates uptake of non-transferrin bound iron and transferrin bound iron in human glial cells. 2007 , 220, 349-56		39
232	Aluminum-mediated metabolic changes in rat serum and urine: a proton nuclear magnetic resonance study. 2008 , 22, 119-27		15
231	Role of DNA dynamics in Alzheimer's disease. 2008 , 58, 136-48		24
230	Potential pathogenic role of beta-amyloid(1-42)-aluminum complex in Alzheimer's disease. 2008 , 40, 731-46		73
229	Beer consumption reduces cerebral oxidation caused by aluminum toxicity by normalizing gene expression of tumor necrotic factor alpha and several antioxidant enzymes. 2008 , 46, 1111-8		44
228	Aluminum toxicity following administration of aluminum-based phosphate binders in 2 dogs with renal failure. 2008 , 22, 1432-5		24
227	Aluminum modulates effects of beta amyloid(1-42) on neuronal calcium homeostasis and mitochondria functioning and is altered in a triple transgenic mouse model of Alzheimer's disease. 2008 , 11, 861-71		66
226	Influence of age on aluminum induced lipid peroxidation and neurolipofuscin in frontal cortex of rat brain: a behavioral, biochemical and ultrastructural study. 2009 , 1253, 107-16		43
225	Curcumin counteracts the aluminium-induced ageing-related alterations in oxidative stress, Na ⁺ , K ⁺ ATPase and protein kinase C in adult and old rat brain regions. 2009 , 10, 489-502		50

224	Aluminium neurotoxicity: neurobehavioural and oxidative aspects. 2009 , 83, 965-78		175
223	Brain oxidative stress and selective behaviour of aluminium in specific areas of rat brain: potential effects in a 6-OHDA-induced model of Parkinson's disease. 2009 , 109, 879-88		59
222	Synthetic, structural and solution speciation studies on binary Al(III)-(carboxy)phosphonate systems. Relevance to the neurotoxic potential of Al(III). 2009 , 103, 1530-41		10
221	Demonstration of aluminum in amyloid fibers in the cores of senile plaques in the brains of patients with Alzheimer's disease. 2009 , 103, 1579-84		124
220	APP expression, distribution and accumulation are altered by aluminum in a rodent model for Alzheimer's disease. 2009 , 103, 1548-54		104
219	Effect of gestational ethanol exposure on parvalbumin and calretinin expressing hippocampal neurons in a chick model of fetal alcohol syndrome. 2009 , 43, 147-61		7
218	Medicinal inorganic chemistry approaches to passivation and removal of aberrant metal ions in disease. 2009 , 109, 4885-910		282
217	Hyperbranched calixarenes: synthesis and applications as fluorescent probes. 2009 , 4791-802		76
216	Functional impairment in aged rats chronically exposed to human range dietary aluminum equivalents. <i>NeuroToxicology</i> , 2009 , 30, 182-93	4.4	55
215	Brain lesions comprised of aluminum-rich cells that lack microtubules may be associated with the cognitive deficit of Alzheimer's disease. <i>NeuroToxicology</i> , 2009 , 30, 1059-69	4.4	53
214	Clinical evidence supporting the use of an activated clinoptilolite suspension as an agent to increase urinary excretion of toxic heavy metals. 2009 , Volume 1, 11-18		13
213	Aluminium and iron in humans: bioaccumulation, pathology, and removal. 2010 , 13, 589-98		50
212	Protective role of melatonin on oxidative stress status and RNA expression in cerebral cortex and cerebellum of AbetaPP transgenic mice after chronic exposure to aluminum. 2010 , 135, 220-32		18
211	Aluminum chloride induced oxidative damage on cells derived from hippocampus and cortex of ICR mice. 2010 , 1324, 96-102		27
210	Evaluation of removal efficiency of fluoride from aqueous solution using new charcoals that contain calcium compounds. 2010 , 346, 494-9		68
209	Aluminium interferes with hippocampal calcium signaling in a species-specific manner. 2010 , 104, 919-27		17
208	Preparation and characterization of charcoals that contain dispersed aluminum oxide as adsorbents for removal of fluoride from drinking water. 2010 , 48, 333-343		151
207	Evidence for participation of aluminum in neurofibrillary tangle formation and growth in Alzheimer's disease. 2010 , 22, 65-72		51

206	Polymorphism in Alzheimer Abeta amyloid organization reflects conformational selection in a rugged energy landscape. 2010 , 110, 4820-38		239
205	Interactions of Al(III), La(III), Gd(III), and Lu(III) with the fused silica/water interface studied by second harmonic generation. 2010 , 44, 5862-7		22
204	Novel drug targets based on metallobiology of Alzheimer's disease. 2010 , 14, 1177-97		40
203	Exponential sensitivity and speciation of Al(III), Sc(III), Y(III), La(III), and Gd(III) at fused silica/water interfaces. 2011 , 115, 14438-45		18
202	Aluminum and Alzheimer's disease: after a century of controversy, is there a plausible link?. 2011 , 23, 567-98		255
201	Effects of advanced oxidation pretreatment on residual aluminum control in high humic acid water purification. 2011 , 23, 1079-85		21
200	Aluminium in the human brain. 2011 , 142, 357-363		77
199	Physiological cholesterol concentration is a neuroprotective factor against Amyloid and Amyloid-metal complexes toxicity. 2011 , 105, 1066-72		11
198	Different reactive oxygen species lead to distinct changes of cellular metal ions in the eukaryotic model organism <i>Saccharomyces cerevisiae</i> . <i>International Journal of Molecular Sciences</i> , 2011 , 12, 8119-32 ^{6.3}		11
197	Aluminium in the human brain. 2012 , 95-101		3
196	Total allowable concentrations of monomeric inorganic aluminum and hydrated aluminum silicates in drinking water. 2012 , 42, 358-442		71
195	Combined effect of HEDTA and selenium against aluminum induced oxidative stress in rat brain. <i>Journal of Trace Elements in Medicine and Biology</i> , 2012 , 26, 210-4	4.1	14
194	A turn-on and reversible fluorescence sensor for Al ³⁺ ion. <i>Analyst, The</i> , 2012 , 137, 5201-3	5	120
193	Aluminium induced structural, metabolic alterations and protective effects of desferrioxamine in the brain tissue of mice: an FTIR study. 2012 , 99, 252-8		13
192	Effects of humic acid on residual Al control in drinking water treatment plants with orthophosphate addition. 2012 , 6, 470-476		2
191	Synergistic influence of phosphorylation and metal ions on tau oligomer formation and coaggregation with Synuclein at the single molecule level. 2012 , 7, 35		46
190	Cognitive deterioration and associated pathology induced by chronic low-level aluminum ingestion in a translational rat model provides an explanation of Alzheimer's disease, tests for susceptibility and avenues for treatment. 2012 , 2012, 914947		32
189	Aluminum Induced Immunoexcitotoxicity in Neurodevelopmental and Neurodegenerative Disorders. 2012 , 2, 46-53		30

188	Evidence that Ingested Aluminum Additives Contained in Processed Foods and Alum-Treated Drinking Water are a Major Risk Factor for Alzheimers Disease. 2012 , 2, 19-39		22
187	Aluminum disruption of calcium homeostasis and signal transduction resembles change that occurs in aging and Alzheimer's disease. 2012 , 29, 255-73		52
186	The amyloid beta peptide: a chemist's perspective. Role in Alzheimer's and fibrillization. 2012 , 112, 5147-92		636
185	Delineation of the molecular mechanism for disulfide stress-induced aluminium toxicity. 2012 , 25, 553-61		6
184	Chelating agents for human diseases related to aluminium overload. 2012 , 256, 89-104		81
183	A turn-on and reversible Schiff-base fluorescence sensor for Al ³⁺ ion. <i>Inorganic Chemistry Communication</i> , 2013 , 35, 273-275	3.1	21
182	Aluminum in the central nervous system (CNS): toxicity in humans and animals, vaccine adjuvants, and autoimmunity. 2013 , 56, 304-16		160
181	Studies of aluminum (III) ion-selective optical sensor based on a chromogenic calix[4]arene derivative. 2013 , 115, 269-74		18
180	Administration of aluminium to neonatal mice in vaccine-relevant amounts is associated with adverse long term neurological outcomes. 2013 , 128, 237-44		48
179	Aluminum involvement in the progression of Alzheimer's disease. 2013 , 35, 7-43		95
178	Molecular structure of tetraaqua adenosine 5'-triphosphate aluminium(III) complex: a study involving Raman spectroscopy, theoretical DFT and potentiometry. 2013 , 105, 88-101		11
177	Aluminium induced oxidative stress results in decreased mitochondrial biogenesis via modulation of PGC-1 β expression. 2013 , 273, 365-80		43
176	A ratiometric fluorescent sensor for selective recognition of Al ³⁺ ions based on a simple benzimidazole platform. <i>RSC Advances</i> , 2013 , 3, 20984	3.7	49
175	Disulfide stress-induced aluminium toxicity: molecular insights through genome-wide screening of <i>Saccharomyces cerevisiae</i> . 2013 , 5, 1068-75		10
174	Aluminum(III) interferes with the structure and the activity of the peptidyl-prolyl cis-trans isomerase (Pin1): a new mechanism contributing to the pathogenesis of Alzheimer's disease and cancers?. 2013 , 126, 111-7		14
173	A novel aluminum-sensitive fluorescent nano-chemosensor based on naphthalene macrocyclic derivative. 2013 , 69, 3206-3211		36
172	A turn-on and reversible Schiff base fluorescence sensor for Al ³⁺ ion. <i>Analyst, The</i> , 2013 , 138, 2527-30	5	100
171	Implication of novel bis-imidazopyridines for management of Alzheimer's disease and establishment of its role on protein phosphatase 2A activity in brain. 2013 , 65, 1785-95		15

170	Aluminum's Role in CNS-immune System Interactions leading to Neurological Disorders. 2013 , 9,		1
169	Are there negative CNS impacts of aluminum adjuvants used in vaccines and immunotherapy?. 2014 , 6, 1055-71		28
168	Suppressive effects of subchronic aluminum overload on the splenic immune function may be related to oxidative stress in mice. 2014 , 157, 249-55		10
167	A new multifunctional Schiff base as a fluorescence sensor for Al ³⁺ and a colorimetric sensor for CN ⁻ in aqueous media: an application to bioimaging. 2014 , 43, 6650-9		178
166	Al ³⁺ selective colorimetric and fluorescent red shifting chemosensor: application in living cell imaging. 2014 , 43, 2895-9		45
165	Al ³⁺ selective coumarin based reversible chemosensor: application in living cell imaging and as integrated molecular logic gate. <i>RSC Advances</i> , 2014 , 4, 30666-30672	3-7	34
164	Mapping the affinity of aluminum(III) for biophosphates: interaction mode and binding affinity in 1 : 1 complexes. 2014 , 16, 20107-19		15
163	Interaction of a Schiff-base fluorescent sensor with Al ³⁺ : experimental and computational studies. 2014 , 67, 737-744		8
162	In vitro adsorption of aluminum by an edible biopolymer poly(L-glutamic acid). 2014 , 62, 4803-11		14
161	A highly selective fluorescence turn-on detection of Al ³⁺ and Ca ²⁺ based on a coumarin-modified rhodamine derivative. 2014 , 55, 4062-4066		37
160	Oxidative stress and mitochondrial dysfunction in aluminium neurotoxicity and its amelioration: a review. <i>NeuroToxicology</i> , 2014 , 41, 154-66	4-4	115
159	Coumarin modified rhodamine derivative: Fluorescent chemosensor selectively recognizing Al ³⁺ and Ca ²⁺ . 2014 , 30, 362-367		7
158	Chronic aluminum intake causes Alzheimer's disease: applying Sir Austin Bradford Hill's causality criteria. 2014 , 40, 765-838		80
157	Alizarin Complexone as a highly selective ratiometric fluorescent probe for Al ³⁺ detection in semi-aqueous solution. 2014 , 281, 40-46		27
156	A highly selective fluorescence turn-on and reversible sensor for Al ³⁺ ion. <i>Inorganic Chemistry Communication</i> , 2014 , 39, 122-125	3-1	31
155	A quinoline derivative as an efficient sensor to detect selectively Al ³⁺ ion. 2014 , 24, 991-4		7
154	Answers to Common Misconceptions Regarding the Toxicity of Aluminum Adjuvants in Vaccines. 2015 , 43-56		2
153	A Fluorescent Chemosensor for Al ³⁺ , , and CN ⁻ Based on a Dyad Bearing Rhodamine and Spiropyran Units. 2015 , 36, 2027-2033		4

152	Neurodegeneration and microtubule dynamics: death by a thousand cuts. 2015 , 9, 343		100
151	X-ray structurally characterized sensors for ratiometric detection of Zn(2+) and Al(3+) in human breast cancer cells (MCF7): development of a binary logic gate as a molecular switch. 2015 , 44, 11797-804		37
150	Multinuclear magnetic resonance study of equilibria between aluminum(III) and sulfur-containing amino acids in aqueous solutions. 2015 , 36, 281-292		3
149	A highly selective fluorescent sensor for Al ³⁺ and the use of the resulting complex as a secondary sensor for PPI in aqueous media: its applicability in live cell imaging. 2015 , 44, 11352-9		59
148	Multiple target chemosensor: a fluorescent sensor for Zn(II) and Al(III) and a chromogenic sensor for Fe(II) and Fe(III). <i>RSC Advances</i> , 2015 , 5, 11229-11239	3-7	48
147	Synthesis and evaluation of a new Rhodamine B and Di(2-picoly)amine conjugate as a highly sensitive and selective chemosensor for Al ³⁺ and its application in living-cell imaging. 2015 , 23, 694-702		27
146	Aluminum interaction with 2,3-diphosphoglyceric acid. A computational study. <i>RSC Advances</i> , 2015 , 5, 63874-63881	3-7	7
145	A reversible fluorescent-colorimetric imino-pyridyl bis-Schiff base sensor for expeditious detection of Al(3+) and HSO ₃ ⁻ in aqueous media. 2015 , 44, 13261-71		47
144	A polynuclear hetero atom containing molecular organic scaffold to detect Al ³⁺ ion through a fluorescence turn-on response. <i>RSC Advances</i> , 2015 , 5, 61513-61520	3-7	13
143	A fluorescent turn on chemosensor based on Bodipy ⁺ Enthraquinone for Al(III) ions: synthesis and complexation/spectroscopic studies. <i>RSC Advances</i> , 2015 , 5, 41025-41032	3-7	34
142	A molecular assembly of piperidine carboxylic acid dithiocarbamate on gold nanoparticles for the selective and sensitive detection of Al ³⁺ ion in water samples. <i>RSC Advances</i> , 2015 , 5, 33468-33477	3-7	21
141	Removal of aluminum from synthetic solutions and well water by chitin: batch and continuous experiments. 2015 , 53, 3531-3542		4
140	Berberine and neurodegeneration: A review of literature. 2015 , 67, 970-9		121
139	Fluorescence sensing and intracellular imaging of Al ³⁺ ions by using naphthalene based sulfonamide chemosensor: structure, computation and biological studies. <i>RSC Advances</i> , 2015 , 5, 73626-73638	3-7	29
138	Differentiation of multi-metal ions based on fluorescent dual-emission carbon nanodots. <i>RSC Advances</i> , 2015 , 5, 82570-82575	3-7	20
137	An integrated experimental and theoretical investigation of the vibrational modes and molecular structure of a chelate, tetraqua cysteine aluminum(III). 2015 , 138, 424-33		2
136	A selective colorimetric and ratiometric fluorescent chemosensor for detection of Al ³⁺ ion. 2015 , 158, 371-375		25
135	A bifunctional chromogenic and fluorogenic probe for F ⁻ and Al ³⁺ based on azo-benzimidazole conjugate. 2015 , 157, 383-389		39

134	Effect of pyrite concentration on the quality of ferric sulfate coagulants obtained by leaching from coal tailings. 2016 , 33, 77-81		1
133	Autism, Chemicals, Probable Cause and Mitigation: A New Examination. 2016 , 6,		4
132	Understanding Aspects of Aluminum Exposure in Alzheimer's Disease Development. 2016 , 26, 139-54		63
131	Aluminum exposure for one hour decreases vascular reactivity in conductance and resistance arteries in rats. 2016 , 313, 109-118		9
130	A Pilot Study Measuring Aluminum in Bone in Alzheimer's Disease and control Subjects Using in vivo Neutron Activation Analysis. 2016 , 53, 933-42		8
129	Rhodamine B-based ordered mesoporous organosilicas for the selective detection and adsorption of Al(III). 2016 , 40, 6752-6761		7
128	Design-specific mechanistic regulation of the sensing phenomena of two Schiff bases towards Al ³⁺ . <i>RSC Advances</i> , 2016 , 6, 55430-55437	3.7	15
127	A multi-addressable diarylethene for the selective detection of Al ³⁺ and the construction of a logic circuit. <i>RSC Advances</i> , 2016 , 6, 107475-107482	3.7	12
126	Solvent-dependent fluorescent-colorimetric probe for dual monitoring of Al(3+) and Cu(2+) in aqueous solution: an application to bio-imaging. 2016 , 45, 11540-53		51
125	A simple turn-on Schiff base fluorescence sensor for aluminum ion. 2016 , 57, 3535-3539		36
124	A ratiometric chemosensor for Al ³⁺ based on naphthalene-quinoline conjugate with the resultant complex as secondary sensor for FET interpretation of molecular logic gates. <i>Sensors and Actuators B: Chemical</i> , 2016 , 237, 628-642	8.5	46
123	A benzoindo-croconine based colorimetric and fluorescent chemosensor for detection Fe ³⁺ /Cu ²⁺ /Ag ⁺ ions. 2016 , 127, 890-895		8
122	A highly selective and sensitive turn-on fluorescence chemosensor based on a rhodamine-adenine conjugate for Al ³⁺ in aqueous medium: Bioimaging and DFT studies. 2016 , 169, 334-341		25
121	Methods for Optimizing Activated Materials for Removing Fluoride from Drinking Water Sources. 2016 , 142, 04015078		6
120	Chronic exposure to aluminum and risk of Alzheimer's disease: A meta-analysis. 2016 , 610, 200-6		105
119	Phosphorylation promotes Al(III) binding to proteins: GEGEGSGG as a case study. 2016 , 18, 7197-207		5
118	Turn-on and reversible luminescent sensor for selective recognition of Al ³⁺ using naphthol hydrazone. 2016 , 172, 124-130		16
117	Aluminum Activates PERK-EIF2 β Signaling and Inflammatory Proteins in Human Neuroblastoma SH-SY5Y Cells. 2016 , 172, 108-119		13

116	Selective interactions of trivalent cations Fe ³⁺ , Al ³⁺ and Cr ³⁺ turn on fluorescence in a naphthalimide based single molecular probe. 2016 , 153, 465-70		31
115	Effects of Aluminium on Rat Brain Mitochondria Bioenergetics: an In vitro and In vivo Study. 2017 , 54, 563-570		18
114	Unravelling the role of protein kinase CK2 in metal toxicity using gene deletion mutants. 2017 , 9, 301-308		2
113	References. 2017 , 301-354		
112	2-Hydroxy-naphthyl functionalized mesoporous silica for fluorescence sensing and removal of aluminum ions. 2017 , 46, 7317-7326		32
111	A highly selective turn-on fluorescent probe for Al in aqueous solution based on quinoline Schiff-base. 2017 , 5, 024014		8
110	Ferric Sulphate Coagulant Obtained by Leaching from Coal Tailings. 2017 , 36, 457-460		1
109	Fluorescent detection of multiple ions by two related chemosensors: structural elucidations and logic gate applications. <i>RSC Advances</i> , 2017 , 7, 23127-23135	3.7	16
108	A critical review of the postulated role of the non-essential amino acid, N-methylamino-L-alanine, in neurodegenerative disease in humans. 2017 , 20, 1-47		54
107	Thiophene and diethylaminophenol-based Turn-on Fluorescence chemosensor for detection of Al ³⁺ and F ⁻ in a near-perfect aqueous solution. 2017 , 73, 2690-2697		41
106	An Efficient Fluorescence "Turn-On" Chemosensor Comprising of Coumarin and Rhodamine Moieties for Al and Hg. 2017 , 27, 2051-2057		7
105	The putative role of environmental aluminium in the development of chronic neuropathology in adults and children. How strong is the evidence and what could be the mechanisms involved?. 2017 , 32, 1335-1355		42
104	A two-pocket Schiff-base molecule as a chemosensor for Al ³⁺ . 2017 , 41, 10677-10685		28
103	Nanomolar Detection of Al(III) Ion by Hydrazones Carrying Benzothiazole and Substituted Phenol Groups. 2017 , 2, 11048-11054		7
102	Bis-ratiometric absorbance detection of Al(III) in the rhodamine B-functionalized bis-polydiacetylene film. 2017 , 71, 2129-2137		2
101	Fluorescent sensing of Al ³⁺ by benzophenone based Schiff base chemosensor and live cell imaging applications: Impact of keto-enol tautomerism. <i>Sensors and Actuators B: Chemical</i> , 2017 , 239, 1194-1204	8.5	35
100	The Metal Neurotoxins: An Important Role in Current Human Neural Epidemics?. 2017 , 14,		25
99	A Schiff base fluorescent chemsensor for the double detection of Al ³⁺ and PPI through aggregation induced emission in environmental physiology. 2018 , 358, 92-99		26

98	Exploring the Scope of Photo-Induced Electron Transfer-Chelation-Enhanced Fluorescence-Fluorescence Resonance Energy Transfer Processes for Recognition and Discrimination of Zn, Cd, Hg, and Al in a Ratiometric Manner: Application to Sea Fish Analysis. <i>ACS Omega</i> , 2018 , 3, 4262-4275	3.9	29
97	Cyclohexyl-diimine capped lower rim 1,3-di-derivatized calix[4]arene conjugate as sensor for Al ³⁺ by spectroscopy, microscopy, titration calorimetry and DFT computations. 2018 , 30, 619-626		5
96	An ampyrone based azo dye as pH-responsive and chemo-reversible colorimetric fluorescent probe for Al ³⁺ in semi-aqueous medium: implication towards logic gate analysis. 2018 , 42, 2224-2231		18
95	A new fluorescence turn-on chemosensor for nanomolar detection of Al ³⁺ constructed from a pyridine-pyrazole system. 2018 , 42, 2933-2941		25
94	Al sensing through different turn-on emission signals vis-à-vis two different excitations: Applications in biological and environmental realms. 2018 , 1025, 172-180		26
93	A rhodamine-based fluorescent chemosensor for Al ³⁺ : is it possible to control the metal ion selectivity of a rhodamine-6G based chemosensor?. 2018 , 42, 8415-8425		18
92	Turn on macrocyclic chemosensor for Al ion with facile synthesis and application in live cell imaging. 2018 , 199, 209-219		13
91	A versatile chemosensor for the detection of Al and picric acid (PA) in aqueous solution. 2018 , 47, 15907-15916		16
90	Neurotoxicity of Aluminum. 2018 ,		7
89	Aluminum as a CNS and Immune System Toxin Across the Life Span. 2018 , 1091, 53-83		7
88	Colocalization of Aluminum and Iron in Nuclei of Nerve Cells in Brains of Patients with Alzheimer's Disease. 2018 , 65, 1267-1281		11
87	Remarkable difference in Al and Zn sensing properties of quinoline based isomers. 2018 , 47, 13972-13989		35
86	Isorhynchophylline alleviates learning and memory impairments induced by aluminum chloride in mice. 2018 , 13, 29		21
85	A simple but effective ferrocene derivative as a redox, and fluorescent receptor for highly selective recognition of Al ³⁺ ions. <i>Inorganic Chemistry Communication</i> , 2018 , 96, 170-174	3.1	4
84	Ginkgo biloba attenuates aluminum lactate-induced neurotoxicity in reproductive senescent female rats: behavioral, biochemical, and histopathological study. 2019 , 26, 27148-27167		8
83	The Nutritional Components of Beer and Its Relationship with Neurodegeneration and Alzheimer's Disease. 2019 , 11,		17
82	Fabrication of a Hydrazone-Based Al(III)-Selective "Turn-On" Fluorescent Chemosensor and Ensuing Potential Recognition of Picric Acid. <i>ACS Omega</i> , 2019 , 4, 18520-18529	3.9	21
81	A simple, highly selective and ultra-sensitive off-on-off fluorescent chemosensor for successive detection of aluminum ion and phosphate in water samples. 2019 , 151, 104195		11

80	A fluorescent light-up probe for specific detection of Al ³⁺ with aggregation-induced emission characteristic and self-assembly behavior. 2019 , 208, 302-306		11
79	Higher Hippocampal Mean Diffusivity Values in Asymptomatic Welders. 2019 , 168, 486-496		5
78	Rhodamine functionalized mesoporous silica as a chemosensor for the efficient sensing of Al ³⁺ , Cr ³⁺ and Fe ³⁺ ions and their removal from aqueous media. 2019 , 43, 15563-15574		15
77	A Highly Selective and Sensitive Fluorescent Chemosensor for Detecting Al Ion in Aqueous Solution and Plant Systems. 2019 , 19,		10
76	Bioavailable Aluminum: Its Effects on Human Health. 2019 , 315-327		0
75	Chelation of specific metal ions imparts coplanarity and fluorescence in two imidazo[1,2-a]pyridine derivatives: Potential chemosensors for detection of metal ions in aqueous and biosamples. 2019 , 222, 117236		6
74	A lysosome-targetable fluorescent probe for imaging trivalent cations Fe, Al and Cr in living cells. 2019 , 222, 117242		33
73	Role of MLL in the modification of H3K4me3 in aluminium-induced cognitive dysfunction. <i>Chemosphere</i> , 2019 , 232, 121-129	8.4	6
72	Synthesis of docosahexaenoic acid based zinc oxide nanoparticles as a promising treatment in neurotoxicity. 2019 , 28, 1455-1464		5
71	Selective and Sensitive Fluorescence Probe for Detection of Al ³⁺ in Food Samples Based on Aggregation-Induced Emission and Its Application for Live Cell Imaging. 2019 , 12, 1736-1746		6
70	Rhodamine-Based Dual Chemosensor for Al ³⁺ and Zn ²⁺ Ions with Distinctly Separated Excitation and Emission Wavelengths. <i>ACS Omega</i> , 2019 , 4, 6864-6875	3.9	42
69	A colorimetric, ultraviolet absorption and fluorescence three-signal probe based on bis-carbazole for Al ³⁺ detection and the application in cell imaging. <i>Journal of Molecular Structure</i> , 2019 , 1188, 14-22	3.4	16
68	A new Turn-on and reversible fluorescent sensor for Al ³⁺ detection and live cell imaging. 2019 , 11, 5598-5606		18
67	Promotional effect of macrocyclization in O ₂ Nx naphtha-aza-crown macrocyclic ligands on fluorescence chemosensing of Al(III). 2019 , 205, 219-227		3
66	Substituent dependent sensing behavior of Schiff base chemosensors in detecting Zn ²⁺ and Al ³⁺ ions: Drug sample analysis and living cell imaging. <i>Sensors and Actuators B: Chemical</i> , 2019 , 282, 347-358	8.5	52
65	Colorimetric and fluorescent sensing of Al ³⁺ by a new 2-hydroxynaphthalen based Schiff base "Off-On" chemosensor. 2019 , 207, 78-84		31
64	Effects of aluminum on amyloid-beta aggregation in the context of Alzheimer's disease. <i>Arabian Journal of Chemistry</i> , 2019 , 12, 2897-2904	5.9	14
63	A highly selective aggregation-induced emission fluorogen for sensitive detection of Al in living cells. 2020 , 35, 156-162		5

62	A highly sensitive fluorescent sensor for Cd and Zn based on diarylethene with a pyrene unit. 2020 , 227, 117581		42
61	Fluorescent schiff base probes for sequential detection of Al and F and cell imaging applications. 2020 , 227, 117678		25
60	A simple fluorescent-colorimetric probe for selective switch-on detection of Al ³⁺ in ethanol. 2020 , 502, 119327		6
59	A simple coumarin based fluorescent On probe for the selective detection of Al ³⁺ along with its application in live cell imaging via AGS cell line. 2020 , 390, 112294		4
58	A multi-responsive crown ether-based colorimetric/fluorescent chemosensor for highly selective detection of Al, Cu and Mg. 2020 , 228, 117857		8
57	Water-soluble fluorescent chemosensor based on Schiff base derivative terminated PEG for highly efficient detection of Al ³⁺ in pure aqueous media. 2020 , 61, 152335		3
56	A double target fluorescent sensor based on diarylethene for detection of Al ³⁺ and Zn ²⁺ . 2020 , 61, 152372		3
55	Highly selective and sensitive chemosensor for Al(III) based on isoquinoline Schiff base. 2020 , 243, 118754		15
54	A hydrogel microsphere-based sensor for dual and highly selective detection of Al ³⁺ and Hg ²⁺ . <i>Sensors and Actuators B: Chemical</i> , 2020 , 321, 128490	8.5	16
53	A sensitive OFF-ON-OFF fluorescent probe for the cascade sensing of Al and F ions in aqueous media and living cells.. <i>RSC Advances</i> , 2020 , 10, 21629-21635	3.7	10
52	Tuned Al ³⁺ selectivity and Extended properties of di-2-picolyamine-substituted quinoline-based tolan. 2020 , 61, 151808		1
51	Theoretical characterization of Al(III) binding to KSPVPKSPVEEKG: Insights into the propensity of aluminum to interact with key sequences for neurofilament formation. 2020 , 210, 111169		
50	Naringenin protects AlCl ₃ /D-galactose induced neurotoxicity in rat model of AD via attenuation of acetylcholinesterase levels and inhibition of oxidative stress. <i>PLoS ONE</i> , 2020 , 15, e0227631	3.7	33
49	Detection of toxicity in some oral antidiabetic drugs using LIBS and LA-TOF-MS. 2020 , 155, 104679		11
48	Kaempferol as an AIE-active natural product probe for selective Al detection in Arabidopsis thaliana. 2021 , 249, 119303		8
47	A cell-compatible red light-emitting multianalyte chemosensor via three birds, one stone strategy. 2021 , 404, 112889		1
46	Recent advances in the development of fluorescent chemosensors for Al. 2021 , 50, 7156-7165		12
45	Active Bromoaniline-Aldehyde Conjugate Systems and Their Complexes as Versatile Sensors of Multiple Cations with Logic Formulation and Efficient DNA/HSA-Binding Efficacy: Combined Experimental and Theoretical Approach. <i>ACS Omega</i> , 2021 , 6, 3659-3674	3.9	1

44	A novel quinoline-based turn-on fluorescent probe for the highly selective detection of Al (III) and its bioimaging in living cells, plants tissues and zebrafish. 2021 , 26, 57-66		8
43	Environmental Aspects of Alzheimer's and Parkinson's Diseases Neuropathologies. 2021 , 79-108		
42	A REVIEW ON THE RELATIONSHIP BETWEEN ALUMINUM CONTENT OF FOOD AND ALZHEIMER'S.		
41	A Toxic Synergy between Aluminium and Amyloid Beta in Yeast. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	6
40	Effect of aluminum combined with ApoE ϵ 4 on Tau phosphorylation and A β deposition. <i>Journal of Trace Elements in Medicine and Biology</i> , 2021 , 64, 126700	4.1	2
39	Metals toxicity and its correlation with the gene expression in Alzheimer's disease. <i>Molecular Biology Reports</i> , 2021 , 48, 3245-3252	2.8	3
38	Controllable FRET Behaviors of Supramolecular Host-Guest Systems as Ratiometric Aluminum Ion Sensors Manipulated by Tetraphenylethylene-Functionalized Macrocyclic Host Donor and Multistimuli-Responsive Fluorescein-Based Guest Acceptor. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 20662-20680	9.5	4
37	A 4-methyl-2,6-diformylphenol based fluorescent chemosensor for Al ³⁺ . <i>Inorganic Chemistry Communication</i> , 2021 , 130, 108694	3.1	5
36	Review on application of perylene diimide (PDI)-based materials in environment: Pollutant detection and degradation. <i>Science of the Total Environment</i> , 2021 , 780, 146483	10.2	11
35	Relationship between the expression of TNFR1-RIP1/RIP3 in peripheral blood and cognitive function in occupational Al-exposed workers: A mediation effect study. <i>Chemosphere</i> , 2021 , 278, 130484	8.4	2
34	Combination of docosahexaenoic acid and Ginko biloba extract improves cognitive function and hippocampal tissue damages in a mouse model of Alzheimer's disease. <i>Journal of Chemical Neuroanatomy</i> , 2021 , 116, 101995	3.2	1
33	Reusable polymeric films for fluorometric Al ³⁺ detection in anti-counterfeiting and security applications. <i>Sensors and Actuators B: Chemical</i> , 2021 , 345, 130420	8.5	2
32	N-diethylaminosalicylidene based Turn-on fluorescent Schiff base chemosensor for Al ³⁺ ion: Synthesis, characterisation and DFT/TD-DFT studies. <i>Journal of Molecular Structure</i> , 2022 , 1247, 131257	3.4	6
31	Aluminium-dependent human diseases and chelating properties of aluminium chelators for biomedical applications. 2012 , 103-123		4
30	A first-principles study on potential chelation agents and indicators of Alzheimer's disease.. <i>RSC Advances</i> , 2020 , 10, 35574-35581	3.7	0
29	Aluminium induced endoplasmic reticulum stress mediated cell death in SH-SY5Y neuroblastoma cell line is independent of p53. <i>PLoS ONE</i> , 2014 , 9, e98409	3.7	34
28	Bacopa monnieri alleviates aluminium chloride-induced anxiety by regulating plasma corticosterone level in Wistar rats. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2020 ,	1.6	1
27	Detrimental effects of chia (<i>Salvia hispanica</i> L.) seeds on learning and memory in aluminum chloride-induced experimental Alzheimer's disease. <i>Acta Neurobiologiae Experimentalis</i> , 2018 , 78, 322-331		8

26	[Locomotor activity and learning and memory abilities in Alzheimer's disease induced by aluminum in an acid environment in zebrafish]. <i>Zoological Research</i> , 2012 , 33, 231-6		3
25	Behavioral and Neurochemical Alterations Induced by Vanillin in a Mouse Model of Alzheimer's Disease. <i>International Journal of Pharmacology</i> , 2017 , 13, 573-582	0.7	5
24	Immunology primer for neurosurgeons and neurologists part 2: Innate brain immunity. <i>Surgical Neurology International</i> , 2013 , 4, 118	1	16
23	Simultaneous enhancement of mechanical properties and corrosion resistance of as-cast Mg-5Zn via microstructural modification by friction stir processing. <i>Journal of Magnesium and Alloys</i> , 2021 ,	8.8	1
22	Nutrition and Behavior. <i>Nutrition and Disease Prevention</i> , 2007 , 397-407		
21	Microminerals at Optimum Concentrations: Protection Against Diseases. 2015 , 53-77		1
20	Environmental Aspects of Alzheimer's and Parkinson's Diseases Neuropathologies. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2019 , 236-265	0.4	1
19	Micro-minerals at Optimum Concentrations [Protection Against Diseases. 2019 , 63-99		0
18	Micellar flocculation for the treatment of synthetic dyestuff effluent: Kinetic, thermodynamic and mechanistic insights. <i>Journal of Molecular Liquids</i> , 2021 , 344, 117964	6	0
17	Synthesis and Spectroscopic Properties of Optical Probe Based on Schiff Base with Biological Application. <i>Journal of the Institute of Science and Technology</i> , 1767-1778	0	
16	Active Immunotherapy for Alzheimer's Disease: The Road Ahead. <i>journal of prevention of Alzheimer's disease, The</i> , 2015 , 2, 78-79	3.8	
15	ACTIVE IMMUNOTHERAPY FOR ALZHEIMER'S DISEASE: THE ROAD AHEAD. <i>journal of prevention of Alzheimer's disease, The</i> , 2015 , 2, 1-2	3.8	
14	Mechanism by Which Aluminum Regulates the Abnormal Phosphorylation of the Tau Protein in Different Cell Lines. <i>ACS Omega</i> , 2021 , 6, 31782-31796	3.9	0
13	Rhodamine 6G-based efficient chemosensor for trivalent metal ions (Al, Cr and Fe) upon single excitation with applications in combinational logic circuits and memory devices.. <i>Analyst, The</i> , 2022 ,	5	0
12	A pyridine-dicarbohydrazide-based chemosensor for detecting Al ³⁺ by fluorescence turn-on. <i>Journal of the Chinese Chemical Society</i> , 2022 , 69, 366-374	1.5	0
11	Carbazole-based Schiff base: A sensitive fluorescent turn-on chemosensor for recognition of Al(III) ions in aqueous-alcohol media. <i>Arabian Journal of Chemistry</i> , 2022 , 15, 103935	5.9	1
10	Phosphatase-like activity of single-atom CeNC nanozyme for rapid detection of Al ³⁺ . <i>Food Chemistry</i> , 2022 , 390, 133127	8.5	3
9	Schiff bases and multidentate organic compounds as fluorescent sensors of Al ³⁺ : photophysical, fluorescent bioimaging and the mechanisms.		

- 8 Improved corrosion resistance achieved in a friction stir processed Mg-5Zn-0.3Ca alloy with fragmented precipitates. **2022**, 208, 110675 ○
- 7 Simultaneous visual and spectroscopic multi-analyte detection of Al³⁺ and AsO₂⁻ using simple salicylidene based D-πA chromophore. **2022**, 114329 ○
- 6 Hierarchical Ti-MOF Microflowers for Synchronous Removal and Fluorescent Detection of Aluminum Ions. **2022**, 12, 935 ○
- 5 Rapid and Visual Detection of Al³⁺ Based on Supramolecular Self-Assembly of a Water-Soluble Perylene Diimide Derivative. **2022**, 7, ○
- 4 miR-200a-3p Regulates PRKACB and Participates in Aluminium-Induced Tau Phosphorylation in PC12 Cells. ○
- 3 A 4-aminophthalimide derive smart molecule for sequential detection of aluminum ions and picric acid. **2023**, 439, 114593 1
- 2 A dual-functional fluorescent probe based on kaolin nanosheets for the detection and separation of aluminum ions. **2023**, 295, 122636 ○
- 1 Metals in Alzheimer's Disease. **2023**, 11, 1161 ○