

Diagnosis of Nephrogenic Systemic Fibrosis by means of Speciation Analysis

Analytical Chemistry

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Radiological contrast agents and radiopharmaceuticals. Side Effects of Drugs Annual, 2014, , 863-871.	0.6	0
2	Gadopentetic acid/gadoteridol. Reactions Weekly, 2015, 1572, 104-104.	0.0	0
3	TiO ₂ Nanoparticles Functionalized Monolithic Capillary Microextraction Online Coupled with Inductively Coupled Plasma Mass Spectrometry for the Analysis of Gd Ion and Gd-Based Contrast Agents in Human Urine. Analytical Chemistry, 2015, 87, 8949-8956.	3.2	40
4	Study on aerosol characteristics and fractionation effects of organic standard materials for bioimaging by means of LA-ICP-MS. Journal of Analytical Atomic Spectrometry, 2015, 30, 2056-2065.	1.6	35
5	Residual or Retained Gadolinium: Practical Implications for Radiologists and Our Patients. Radiology, 2015, 275, 630-634.	3.6	216
6	High Signal Intensity in Globus Pallidus and Dentate Nucleus on Unenhanced T1-weighted MR Images: Evaluation of Two Linear Gadolinium-based Contrast Agents. Radiology, 2015, 276, 836-844.	3.6	208
7	Quantitative Bioimaging to Investigate the Uptake of Mercury Species in <i>Drosophila melanogaster</i> . Analytical Chemistry, 2015, 87, 10392-10396.	3.2	23
8	Contrast Agent Mass Spectrometry Imaging Reveals Tumor Heterogeneity. Analytical Chemistry, 2015, 87, 7683-7689.	3.2	31
9	Analysis and Speciation of Lanthanoides by ICP-MS. ChemistrySelect, 2016, 1, .	0.7	0
10	Radiological Contrast Agents and Radiopharmaceuticals. Side Effects of Drugs Annual, 2016, 38, 493-501.	0.6	1
11	Edema, Hyperpigmentation, Induration. Medicine (United States), 2016, 95, e3121.	0.4	3
12	Revisiting the Pharmacokinetic Profiles of Gadolinium-Based Contrast Agents. Investigative Radiology, 2016, 51, 691-700.	3.5	93
13	Gadolinium in Humans: A Family of Disorders. American Journal of Roentgenology, 2016, 207, 229-233.	1.0	90
14	Quantitative Determination and Subcellular Imaging of Cu in Single Cells via Laser Ablation-ICP-Mass Spectrometry Using High-Density Microarray Gelatin Standards. Analytical Chemistry, 2016, 88, 5783-5789.	3.2	53
15	Imaging by Elemental and Molecular Mass Spectrometry Reveals the Uptake of an Arsenolipid in the Brain of <i>Drosophila melanogaster</i> . Analytical Chemistry, 2016, 88, 5258-5263.	3.2	51
16	Gadolinium Deposition in Humans. Investigative Radiology, 2016, 51, 236-240.	3.5	43
17	Gadolinium based contrast agents (GBCA): Safety overview after 3 decades of clinical experience. Magnetic Resonance Imaging, 2016, 34, 1341-1345.	1.0	79
18	Gadolinium tissue deposition in brain and bone. Magnetic Resonance Imaging, 2016, 34, 1359-1365.	1.0	115

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19	Gadolinium deposition: Is it chelated or dissociated gadolinium? How can we tell?. <i>Magnetic Resonance Imaging</i> , 2016, 34, 1377-1382.	1.0	23
20	Can gadolinium be re-chelated in vivo? Considerations from decorporation therapy. <i>Magnetic Resonance Imaging</i> , 2016, 34, 1391-1393.	1.0	6
21	Study on quantitative analysis of Ti, Al and V in clinical soft tissues after placing the dental implants by laser ablation inductively coupled plasma mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2016, 125, 1-10.	1.5	8
22	High-resolution laser ablation-inductively coupled plasma-mass spectrometry imaging of cisplatin-induced nephrotoxic side effects. <i>Analytica Chimica Acta</i> , 2016, 945, 23-30.	2.6	64
23	Impact of Impaired Renal Function on Gadolinium Retention After Administration of Gadolinium-Based Contrast Agents in a Mouse Model. <i>Investigative Radiology</i> , 2016, 51, 655-660.	3.5	58
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30	Element bioimaging of liver needle biopsy specimens from patients with Wilson's disease by laser ablation-inductively coupled plasma-mass spectrometry. <i>Journal of Trace Elements in Medicine and Biology</i> , 2016, 35, 97-102.	1.5	31
31	In vivo dentate nucleus MRI relaxometry correlates with previous administration of Gadolinium-based contrast agents. <i>European Radiology</i> , 2016, 26, 4577-4584.	2.3	73
32	Removal of gadolinium-based contrast agents: adsorption on activated carbon. <i>Environmental Science and Pollution Research</i> , 2017, 24, 8164-8175.	2.7	19
33	Elemental bioimaging by means of LA-ICP-OES: investigation of the calcium, sodium and potassium distribution in tobacco plant stems and leaf petioles. <i>Metallomics</i> , 2017, 9, 676-684.	1.0	12
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35	5. Analysis and Speciation of Lanthanoides by ICP-MS. , 2017, , 124-144.		0
36	Gadolinium deposition in the brain: summary of evidence and recommendations. <i>Lancet Neurology</i> , The, 2017, 16, 564-570.	4.9	600

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38	Gadolinium retention in the body: what we know and what we can do. <i>Radiologia Medica</i> , 2017, 122, 589-600.	4.7	74
39	The use of gadolinium-based contrast agents should be discontinued until proven safe. <i>Medical Physics</i> , 2017, 44, 3371-3374.	1.6	4
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41	Hydration number: crucial role in nuclear magnetic relaxivity of Gd(III) chelate-based nanoparticles. <i>Scientific Reports</i> , 2017, 7, 14010.	1.6	22
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47	Gadolinium accumulation in organs of Sprague-Dawley® rats after implantation of a biodegradable magnesium-gadolinium alloy. <i>Acta Biomaterialia</i> , 2017, 48, 521-529.	4.1	68
48	hyperintensity on brain imaging subsequent to gadolinium-based contrast agent administration: what do we know about intracranial gadolinium deposition?. <i>British Journal of Radiology</i> , 2017, 90, 20160590.	1.0	12
49	Investigating the Lymphatic System by Dual-Color Elemental Mass Spectrometry Imaging. <i>Contrast Media and Molecular Imaging</i> , 2017, 2017, 1-8.	0.4	0
50	The presence of the gadolinium-based contrast agent depositions in the brain and symptoms of gadolinium neurotoxicity - A systematic review. <i>PLoS ONE</i> , 2017, 12, e0171704.	1.1	157
51	Metrological approach to quantitative analysis of clinical samples by LA-ICP-MS: A critical review of recent studies. <i>Talanta</i> , 2018, 182, 92-110.	2.9	20
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54	Quantitative imaging of translocated silver following nanoparticle exposure by laser ablation-inductively coupled plasma-mass spectrometry. <i>Analytical Methods</i> , 2018, 10, 836-840.	1.3	12

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55	Spatially resolved quantification of gadolinium deposited in the brain of a patient treated with gadolinium-based contrast agents. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 45, 125-130.	1.5	43
56	Applications of liquid chromatography-inductively coupled plasma-mass spectrometry in the biosciences: A tutorial review and recent developments. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 104, 11-21.	5.8	41
57	Quantitative study of zinc and metallothioneins in the human retina and RPE cells by mass spectrometry-based methodologies. <i>Talanta</i> , 2018, 178, 222-230.	2.9	20
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78	Calibration strategies for elemental analysis of biological samples by LA-ICP-MS and LIBS – A review. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 27-36.	1.9	29
79	Gadolinium Retention in Erythrocytes and Leukocytes From Human and Murine Blood Upon Treatment With Gadolinium-Based Contrast Agents for Magnetic Resonance Imaging. <i>Investigative Radiology</i> , 2020, 55, 30-37.	3.5	13
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81	Gadolinium Deposition and Nephrogenic Systemic Fibrosis: A Radiologist's Primer. <i>Radiographics</i> , 2020, 40, 153-162.	1.4	102
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92	Effect of formalin fixation on measured concentrations of deposited gadolinium in human tissue: an autopsy study. <i>Acta Radiologica</i> , 2022, 63, 345-350.	0.5	0
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110	Determination of the affinity of biomimetic peptides for uranium through the simultaneous coupling of HILIC to ESI-MS and ICP-MS. <i>Analytica Chimica Acta</i> , 2023, 1242, 340773.	2.6	3
111	A systematic study of high resolution multielemental quantitative bioimaging of animal tissue using LA-ICP-TOFMS. <i>Journal of Analytical Atomic Spectrometry</i> , 2023, 38, 704-715.	1.6	3