

# TomÃ;Å; PluhÃ;Äek

## List of Publications by Year in descending order

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28  
papers

644  
citations

567281

15  
h-index

580821

25  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1012  
citing authors

#	ARTICLE	IF	CITATIONS
1	Myocardial iron content and mitochondrial function in human heart failure: a direct tissue analysis. <i>European Journal of Heart Failure</i> , 2017, 19, 522-530.	7.1	180
2	Characterization of microbial siderophores by mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2016, 35, 35-47.	5.4	61
3	Ultra-high performance supercritical fluid chromatography-mass spectrometry procedure for analysis of monosaccharides from plant gum binders. <i>Analytica Chimica Acta</i> , 2017, 989, 112-120.	5.4	27
4	Recent advances in chromium speciation in biological samples. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2019, 152, 109-122.	2.9	25
5	Non-invasive and invasive diagnoses of aspergillosis in a rat model by mass spectrometry. <i>Scientific Reports</i> , 2017, 7, 16523.	3.3	23
6	Early and Non-invasive Diagnosis of Aspergillosis Revealed by Infection Kinetics Monitored in a Rat Model. <i>Frontiers in Microbiology</i> , 2018, 9, 2356.	3.5	23
7	Biodistribution of upconversion/magnetic silica-coated NaGdF <sub>4</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> nanoparticles in mouse models. <i>RSC Advances</i> , 2017, 7, 45997-46006.	3.6	21
8	Ion-exchange HPLC-ICP-MS: A new window to chromium speciation in biological tissues. <i>Talanta</i> , 2020, 218, 121150.	5.5	21
9	Batch-processing of imaging or liquid-chromatography mass spectrometry datasets and De Novo sequencing of polyketide siderophores. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 768-775.	2.3	20
10	Myocardial iron homeostasis and hepcidin expression in a rat model of heart failure at different levels of dietary iron intake. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 703-713.	2.4	20
11	A direct LA-ICP-MS screening of elemental impurities in pharmaceutical products in compliance with USP and ICH-Q3D. <i>Analytica Chimica Acta</i> , 2019, 1078, 1-7.	5.4	19
12	Determination of oxaliplatin enantiomers at attomolar levels by capillary electrophoresis connected with inductively coupled plasma mass spectrometry. <i>Talanta</i> , 2019, 205, 120151.	5.5	18
13	Evidence of declining trees resilience under long term heavy metal stress combined with climate change heating. <i>Journal of Cleaner Production</i> , 2021, 317, 128428.	9.3	18
14	Study of chromium species release from metal implants in blood and joint effusion: Utilization of HPLC-ICP-MS. <i>Talanta</i> , 2018, 185, 370-377.	5.5	17
15	Climate change extreme and seasonal toxic metal occurrence in Romanian freshwaters in the last two decades—case study and critical review. <i>Npj Clean Water</i> , 2022, 5, .	8.0	17
16	Laser ablation inductively coupled plasma mass spectrometry imaging: A personal identification based on a gunshot residue analysis on latent fingerprints. <i>Analytica Chimica Acta</i> , 2018, 1030, 25-32.	5.4	15
17	Measurement uncertainty evaluation from correlated validation data: Determination of elemental impurities in pharmaceutical products by ICP-MS. <i>Talanta</i> , 2020, 220, 121386.	5.5	14
18	<i>Aspergillus</i> infection monitored by multimodal imaging in a rat model. <i>Proteomics</i> , 2016, 16, 1785-1792.	2.2	13

#	ARTICLE	IF	CITATIONS
19	Past and present anthropic environmental stress reflect high susceptibility of natural freshwater ecosystems in Romania. <i>Environmental Pollution</i> , 2020, 267, 115505.	7.5	13
20	Freeing <i>Aspergillus fumigatus</i> of Polymycovirus Infection Renders It More Resistant to Competition with <i>Pseudomonas aeruginosa</i> Due to Altered Iron-Acquiring Tactics. <i>Journal of Fungi (Basel)</i> , Tj ETQq0 0 0 rgBT /Overlock 1017 50 697	3.5	11
21	Noninvasive Combined Diagnosis and Monitoring of <i>Aspergillus</i> and <i>Pseudomonas</i> Infections: Proof of Concept. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 730.	3.5	11
22	Membrane depolarization and aberrant lipid distributions in the neonatal rat brain following hypoxic-ischaemic insult. <i>Scientific Reports</i> , 2018, 8, 6952.	3.3	10
23	Content of distinct metals in periprosthetic tissues and pseudosynovial joint fluid in patients with total joint arthroplasty. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 454-462.	3.4	10
24	Rhizoferrin Glycosylation in <i>Rhizopus microsporus</i> . <i>Journal of Fungi (Basel, Switzerland)</i> , 2020, 6, 89.	3.5	10
25	Study of interactions between carboxylated core shell magnetic nanoparticles and polymyxin B by capillary electrophoresis with inductively coupled plasma mass spectrometry. <i>Journal of Chromatography A</i> , 2020, 1609, 460433.	3.7	9
26	Tutorial and spreadsheet for the evaluation of instrumental quantification uncertainty by the linear weighted regression model: Determination of elemental impurities in a nasal spray by ICP-MS. <i>Talanta</i> , 2021, 225, 122044.	5.5	7
27	Analysis of Microbial Siderophores by Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2019, 1996, 131-153.	0.9	5
28	Ultra-trace determination of oxaliplatin impurities by sweeping-MEKC-ICP-MS. <i>Microchemical Journal</i> , 2022, 172, 106967.	4.5	4