

Eva Margui

List of Publications by Year in Descending Order

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

98
papers

2,402
citations

28
h-index

45
g-index

102
ext. papers

2,694
ext. citations

4.9
avg, IF

5.23
L-index

| # | Paper | IF | Citations |
|----|---|-----|-----------|
| 98 | Plants from Urban Parks as Valuable Cosmetic Ingredients: Green Extraction, Chemical Composition and Activity. <i>Agronomy</i> , 2022 , 12, 204 | 3.6 | 3 |
| 97 | Application of benchtop total-reflection X-ray fluorescence spectrometry and chemometrics in classification of origin and type of Croatian wines.. <i>Food Chemistry: X</i> , 2022 , 13, 100209 | 4.7 | 1 |
| 96 | Analytical potential of total reflection X-ray fluorescence (TXRF) instrumentation for simple determination of major and trace elements in milk powder samples.. <i>Food Chemistry</i> , 2022 , 383, 132590 | 8.5 | 2 |
| 95 | X-Ray Fluorescence for Multi-elemental Analysis of Vegetation Samples 2022 , 21-36 | | |
| 94 | X-ray fluorescence spectrometry for environmental analysis: Basic principles, instrumentation, applications and recent trends. <i>Chemosphere</i> , 2022 , 303, 135006 | 8.4 | 1 |
| 93 | Characterization of binders and pigments using an integrated analytical approach: Application to wooden reliefs created by Vasko Lipovac in the 1970s. <i>Microchemical Journal</i> , 2021 , 173, 106959 | 4.8 | 2 |
| 92 | Ultratrace determination of metal ions using graphene oxide/carbon nanotubes loaded cellulose membranes and total-reflection X-ray fluorescence spectrometry: A green chemistry approach. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2021 , 177, 106069 | 3.1 | 3 |
| 91 | Silybum marianum glycerol extraction for the preparation of high-value anti-ageing extracts. <i>Industrial Crops and Products</i> , 2021 , 168, 113613 | 5.9 | 5 |
| 90 | Analytical potential of total reflection X-ray fluorescence spectrometry for simultaneous determination of iron, copper and zinc in human blood serum and plasma. <i>Talanta</i> , 2021 , 233, 122553 | 6.2 | 2 |
| 89 | Determination of the polymeric thin film thickness by energy dispersive X-ray fluorescence and multivariate analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020 , 167, 105818 | 3.1 | 8 |
| 88 | Evaluation of energy dispersive X-ray fluorescence and total reflection X-ray fluorescence spectrometry for vegetal mass-limited sample analysis: Application to soybean root and shoots. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020 , 170, 105915 | 3.1 | 5 |
| 87 | Hollow fiber liquid phase microextraction combined with total reflection X-ray fluorescence spectrometry for the determination of trace level inorganic arsenic species in waters. <i>Talanta</i> , 2020 , 217, 121005 | 6.2 | 6 |
| 86 | A simple and sustainable portable triaxial energy dispersive X-ray fluorescence method for in situ multielemental analysis of mining water samples. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020 , 164, 105762 | 3.1 | 5 |
| 85 | Summary of ISO standard 20289: Total reflection X-ray fluorescence analysis of water. <i>Surface and Interface Analysis</i> , 2020 , 52, 119-123 | 1.5 | 7 |
| 84 | Comparison of Maceration and Ultrasonication for Green Extraction of Phenolic Acids from Aerial Parts. <i>Molecules</i> , 2020 , 25, | 4.8 | 7 |
| 83 | Cellulose mini-membranes modified with TiO for separation, determination, and speciation of arsenates and selenites. <i>Mikrochimica Acta</i> , 2020 , 187, 430 | 5.8 | 8 |
| 82 | Simple and reliable determination of Zn and some additional elements in seminal plasma samples by using total reflection X-ray fluorescence spectroscopy. <i>Analytical Methods</i> , 2020 , 12, 4899-4905 | 3.2 | 2 |

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| 81 | Uptake, translocation and ligand of silver in <i>Lactuca sativa</i> exposed to silver nanoparticles of different size, coatings and concentration. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121201 | 12.8 | 28 |
| 80 | Critical evaluation of the use of total reflection X-ray fluorescence spectrometry for the analysis of whole blood samples: application to patients with thyroid gland diseases. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 1659-1670 | 4.4 | 5 |
| 79 | Combination of cloud point extraction with single particle inductively coupled plasma mass spectrometry to characterize silver nanoparticles in soil leachates. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 5317-5329 | 4.4 | 11 |
| 78 | Comprehensive analysis of renal arsenic accumulation using images based on X-ray fluorescence at the tissue, cellular, and subcellular levels. <i>Applied Radiation and Isotopes</i> , 2019 , 150, 95-102 | 1.7 | 10 |
| 77 | Possibilities and drawbacks of total reflection X-ray fluorescence spectrometry as a fast, simple and cost-effective technique for multielement analyses of cosmetics. <i>Analytica Chimica Acta</i> , 2019 , 1075, 27-37 | 6.6 | 7 |
| 76 | Interaction of silver nanoparticles with mediterranean agricultural soils: Lab-controlled adsorption and desorption studies. <i>Journal of Environmental Sciences</i> , 2019 , 83, 205-216 | 6.4 | 9 |
| 75 | Evaluation of different quantification modes for a simple and reliable determination of Pb, Zn and Cd in soil suspensions by total reflection X-ray fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2019 , 34, 930-939 | 3.7 | 18 |
| 74 | A sustainable and simple energy dispersive X-ray fluorescence method for sulfur determination at trace levels in biodiesel samples via formation of biodiesel spots on a suitable solid support. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2019 , 156, 7-12 | 3.1 | 3 |
| 73 | Graphene Oxide Decorated with Cerium(IV) Oxide in Determination of Ultratrace Metal Ions and Speciation of Selenium. <i>Analytical Chemistry</i> , 2018 , 90, 4150-4159 | 7.8 | 18 |
| 72 | Development of Total Reflection X-ray fluorescence spectrometry quantitative methodologies for elemental characterization of building materials and their degradation products. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018 , 143, 18-25 | 3.1 | 10 |
| 71 | Polymer Inclusion Membrane as an Effective Sorbent To Facilitate Mercury Storage and Detection by X-ray Fluorescence in Natural Waters. <i>Analytical Chemistry</i> , 2018 , 90, 4756-4763 | 7.8 | 19 |
| 70 | A first evaluation of the analytical capabilities of the new X-ray fluorescence facility at International Atomic Energy Agency-Elettra Sincrotrone Trieste for multipurpose total reflection X-ray fluorescence analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018 , 145, 8-19 | 3.1 | 3 |
| 69 | Usefulness of a Dual Macro- and Micro-Energy-Dispersive X-Ray Fluorescence Spectrometer to Develop Quantitative Methodologies for Historic Mortar and Related Materials Characterization. <i>Analytical Chemistry</i> , 2018 , 90, 5795-5802 | 7.8 | 7 |
| 68 | Extractability and crop transfer of potentially toxic elements from mediterranean agricultural soils following long-term sewage sludge applications as a fertilizer replacement to barley and maize crops. <i>Waste Management</i> , 2018 , 75, 312-318 | 8.6 | 30 |
| 67 | Ceria nanoparticles deposited on graphene nanosheets for adsorption of copper(II) and lead(II) ions and of anionic species of arsenic and selenium. <i>Mikrochimica Acta</i> , 2018 , 185, 264 | 5.8 | 21 |
| 66 | Determination and speciation of ultratrace arsenic and chromium species using aluminium oxide supported on graphene oxide. <i>Talanta</i> , 2018 , 185, 264-274 | 6.2 | 27 |
| 65 | Presence, mobility and bioavailability of toxic metal(oids) in soil, vegetation and water around a Pb-Sb recycling factory (Barcelona, Spain). <i>Environmental Pollution</i> , 2018 , 237, 569-580 | 9.3 | 15 |
| 64 | Mercury determination at trace levels using membrane preconcentration and benchtop total reflection X-ray fluorescence analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018 , 149, 84-90 ^{3.1} | | 18 |

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| 63 | Simultaneous determination of silver and gold nanoparticles by cloud point extraction and total reflection X-ray fluorescence analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018 , 149, 22-29 ^{3.1} | 16 |
| 62 | Remediation Potential of Forest Forming Tree Species Within Northern Steppe Reclamation Stands. <i>Ekologia</i> , 2018 , 37, 69-81 | 1.3 3 |
| 61 | Determination of silver nanoparticles in complex aqueous matrices by total reflection X-ray fluorescence spectrometry combined with cloud point extraction. <i>Journal of Analytical Atomic Spectrometry</i> , 2018 , 33, 383-394 | 3.7 14 |
| 60 | Energy dispersive X-ray fluorescence spectrometry for the direct multi-element analysis of dried blood spots. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018 , 139, 13-19 | 3.1 7 |
| 59 | Multielement Analysis of Tea and Mint Infusions by Total Reflection X-ray Fluorescence Spectrometry. <i>Food Analytical Methods</i> , 2018 , 11, 282-291 | 3.4 8 |
| 58 | Ligandless Surfactant-Assisted Emulsification Microextraction and Total Reflection X-ray Fluorescence Analysis for Ionic Gold Traces Quantification in Aqueous Samples and Extracts Containing Gold Nanoparticles. <i>Analytical Chemistry</i> , 2018 , 90, 14081-14087 | 7.8 5 |
| 57 | Total reflection X-ray fluorescence as a fast multielemental technique for human placenta sample analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017 , 130, 53-59 | 3.1 12 |
| 56 | Development of X-ray Fluorescence Quantitative Methodologies To Analyze Aqueous and Acid Extracts from Building Materials Belonging to Cultural Heritage. <i>Analytical Chemistry</i> , 2017 , 89, 4246-4254 ^{7.8} | 9 |
| 55 | Multi-element analysis of vegetal foodstuff by means of low power total reflection X-ray fluorescence (TXRF) spectrometry. <i>Food Chemistry</i> , 2017 , 218, 348-355 | 8.5 41 |
| 54 | Analytical capabilities of total reflection X-ray fluorescence spectrometry for silver nanoparticles determination in soil adsorption studies. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2016 , 126, 71-78 | 3.1 14 |
| 53 | Long-term use of biosolids as organic fertilizers in agricultural soils: potentially toxic elements occurrence and mobility. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 4454-64 | 5.1 33 |
| 52 | Cr speciation in water samples by dispersive liquid-liquid microextraction combined with total reflection X-ray fluorescence spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2016 , 115, 46-51 | 3.1 36 |
| 51 | Analytical capabilities of two-phase hollow-fiber liquid phase microextraction for trace multielement determination in aqueous samples by means of portable total reflection X-ray instrumentation. <i>Turkish Journal of Chemistry</i> , 2016 , 40, 1002-1011 | 1 4 |
| 50 | Sample Preparation for X-Ray Fluorescence Analysis 2016 , 1-25 | 4 |
| 49 | Bromine and bromide content in soils: Analytical approach from total reflection X-ray fluorescence spectrometry. <i>Chemosphere</i> , 2016 , 156, 294-301 | 8.4 25 |
| 48 | Possibilities of low-power X-ray fluorescence spectrometry methods for rapid multielemental analysis and imaging of vegetal foodstuffs. <i>Journal of Food Composition and Analysis</i> , 2016 , 50, 1-9 | 4.1 32 |
| 47 | Analytical performance of benchtop total reflection X-ray fluorescence instrumentation for multielemental analysis of wine samples. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2016 , 120, 37-43 | 3.1 23 |
| 46 | Measurement uncertainty in Total Reflection X-ray Fluorescence. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015 , 111, 30-37 | 3.1 13 |

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| 45 | Green approach for ultratrace determination of divalent metal ions and arsenic species using total-reflection X-ray fluorescence spectrometry and mercapto-modified graphene oxide nanosheets as a novel adsorbent. <i>Analytical Chemistry</i> , 2015 , 87, 3535-42 | 7.8 | 145 |
| 44 | Determination of trace amounts of hexavalent chromium in drinking waters by dispersive microsolid-phase extraction using modified multiwalled carbon nanotubes combined with total reflection X-ray fluorescence spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015 , 107, 173-177 | 3.1 | 53 |
| 43 | Determination of palladium, platinum and rhodium in used automobile catalysts and active pharmaceutical ingredients using high-resolution continuum source graphite furnace atomic absorption spectrometry and direct solid sample analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015 , 105, 38-46 | 3.1 | 29 |
| 42 | Trace and ultratrace analysis of liquid samples by X-ray fluorescence spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2014 , 53, 73-83 | 14.6 | 75 |
| 41 | First Total Reflection X-Ray Fluorescence round-robin test of water samples: Preliminary results. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014 , 101, 6-14 | 3.1 | 28 |
| 40 | Total reflection X-ray spectrometry (TXRF) for trace elements assessment in edible clams. <i>Applied Spectroscopy</i> , 2014 , 68, 1241-6 | 3.1 | 10 |
| 39 | Analytical possibilities of different X-ray fluorescence systems for determination of trace elements in aqueous samples pre-concentrated with carbon nanotubes. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013 , 88, 192-197 | 3.1 | 20 |
| 38 | Quantification of trace arsenic in soils by field-portable X-ray fluorescence spectrometry: considerations for sample preparation and measurement conditions. <i>Journal of Hazardous Materials</i> , 2013 , 262, 1213-22 | 12.8 | 108 |
| 37 | Study of selenium sorption processes in volcanic ash using Total Reflection X-ray Fluorescence (TXRF). <i>Chemical Geology</i> , 2013 , 352, 19-26 | 4.2 | 17 |
| 36 | Determination of platinum group metal catalyst residues in active pharmaceutical ingredients by means of total reflection X-ray spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013 , 86, 50-54 | 3.1 | 21 |
| 35 | Determination of cadmium at ultratrace levels in environmental water samples by means of total reflection X-ray spectrometry after dispersive liquid-liquid microextraction. <i>Journal of Analytical Atomic Spectrometry</i> , 2013 , 28, 266-273 | 3.7 | 44 |
| 34 | Dispersive micro solid-phase extraction using multiwalled carbon nanotubes combined with portable total-reflection X-ray fluorescence spectrometry for the determination of trace amounts of Pb and Cd in water samples. <i>Journal of Analytical Atomic Spectrometry</i> , 2013 , 28, 736 | 3.7 | 86 |
| 33 | Liquid phase microextraction strategies combined with total reflection X-ray spectrometry for the determination of low amounts of inorganic antimony species in waters. <i>Analytica Chimica Acta</i> , 2013 , 786, 8-15 | 6.6 | 51 |
| 32 | Dispersive micro solid-phase extraction using multiwalled carbon nanotubes for simultaneous determination of trace metal ions by energy-dispersive X-ray fluorescence spectrometry. <i>Applied Spectroscopy</i> , 2013 , 67, 204-9 | 3.1 | 24 |
| 31 | X-Ray Fluorescence Spectrometry and Related Techniques 2013 , | | 29 |
| 30 | Analytical capabilities of laboratory, benchtop and handheld X-ray fluorescence systems for detection of metals in aqueous samples pre-concentrated with solid-phase extraction disks. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2012 , 67, 17-23 | 3.1 | 35 |
| 29 | Determination of selenium by X-ray fluorescence spectrometry using dispersive solid-phase microextraction with multiwalled carbon nanotubes as solid sorbent. <i>Journal of Analytical Atomic Spectrometry</i> , 2012 , 27, 1688 | 3.7 | 40 |
| 28 | Determination of water-soluble hexavalent chromium in clinker samples by wavelength-dispersive X-ray fluorescence spectrometry after concentration in activated layers. <i>Applied Spectroscopy</i> , 2010 , 64, 547-51 | 3.1 | 20 |

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| 27 | Analytical approaches for Hg determination in wastewater samples by means of total reflection X-ray fluorescence spectrometry. <i>Talanta</i> , 2010 , 82, 821-7 | 6.2 | 51 |
| 26 | Analytical possibilities of total reflection X-ray spectrometry (TXRF) for trace selenium determination in soils. <i>Analytical Chemistry</i> , 2010 , 82, 7744-51 | 7.8 | 67 |
| 25 | Sequential extraction combined with isotopic analysis as a tool for studying lead contamination from mining activity. <i>International Journal of Environment and Waste Management</i> , 2010 , 5, 64 | 0.9 | 2 |
| 24 | Preconcentration Methods for the Analysis of Liquid Samples by X-Ray Fluorescence Techniques. <i>Applied Spectroscopy Reviews</i> , 2010 , 45, 179-205 | 4.5 | 62 |
| 23 | Applicability of direct total reflection X-ray fluorescence analysis for selenium determination in solutions related to environmental and geochemical studies. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2010 , 65, 1002-1007 | 3.1 | 17 |
| 22 | Analysis of inlet and outlet industrial wastewater effluents by means of benchtop total reflection X-ray fluorescence spectrometry. <i>Chemosphere</i> , 2010 , 80, 263-70 | 8.4 | 50 |
| 21 | Thickness measurement of semiconductor thin films by energy dispersive X-ray fluorescence benchtop instrumentation: Application to GaN epilayers grown by molecular beam epitaxy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2010 , 65, 583-586 | 3.1 | 17 |
| 20 | F-47 Inverted X-ray Fluorescence Spectrometry in the Environmental Field: A Review of Some Recent Investigations and Applications. <i>Powder Diffraction</i> , 2010 , 25, 214-214 | 1.8 | |
| 19 | Improvement approaches for the determination of Cr(VI), Cd(II), Pd(II) and Pt(IV) contained in aqueous samples by conventional XRF instrumentation. <i>X-Ray Spectrometry</i> , 2009 , 38, 9-17 | 0.9 | 20 |
| 18 | Application of X-ray fluorescence spectrometry to determination and quantitation of metals in vegetal material. <i>TrAC - Trends in Analytical Chemistry</i> , 2009 , 28, 362-372 | 14.6 | 127 |
| 17 | Multielemental analysis of dried residue from metal-bearing waters by wavelength dispersive X-ray fluorescence spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009 , 64, 184-190 | 3.1 | 9 |
| 16 | Method for the determination of Pd-catalyst residues in active pharmaceutical ingredients by means of high-energy polarized-beam energy dispersive X-ray fluorescence. <i>Analytical Chemistry</i> , 2009 , 81, 1404-10 | 7.8 | 29 |
| 15 | Application of small-spot energy dispersive X-ray fluorescence instrumentation in phytoremediation activities around metal mines. <i>Applied Spectroscopy</i> , 2009 , 63, 1396-402 | 3.1 | 8 |
| 14 | Sample Preparation For X-Ray Fluorescence Analysis 2009 , | | 9 |
| 13 | Determination of metal residues in active pharmaceutical ingredients according to European current legislation by using X-ray fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2009 , 24, 1253 | 3.7 | 25 |
| 12 | Effect of potential of ion optic system and gas-filled octapole collision cell on mass discrimination in lead isotopic measurements ((206)Pb/(207)Pb, (208)Pb/(207)Pb and (206)Pb/2(208)Pb) by quadrupole-based inductively-coupled plasma mass spectrometry. <i>European Journal of Mass Spectrometry</i> , 2009 , 15, 1-10 | 1.1 | 2 |
| 11 | Heavy metals content of automotive shredder residues (ASR): evaluation of environmental risk. <i>Environmental Pollution</i> , 2008 , 153, 476-82 | 9.3 | 43 |
| 10 | High-energy polarized-beam energy-dispersive X-ray fluorescence analysis combined with activated thin layers for cadmium determination at trace levels in complex environmental liquid samples. <i>Analytical Chemistry</i> , 2008 , 80, 2357-64 | 7.8 | 28 |

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| 9 | Application of high-energy polarised beam energy dispersive X-ray fluorescence spectrometry to cadmium determination in saline solutions. <i>Journal of Analytical Atomic Spectrometry</i> , 2008 , 23, 1034 | 3.7 | 13 |
| 8 | Improved instrumental sensitivity for Cd determination in aqueous solutions using Wavelength Dispersive X-ray Fluorescence Spectrometry, Rh-target tube instrumentation. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008 , 63, 1329-1332 | 3.1 | 10 |
| 7 | Precise and accurate determination of lead isotope ratios in mining wastes by ICP-QMS as a tool to identify their source. <i>Talanta</i> , 2007 , 73, 700-9 | 6.2 | 20 |
| 6 | Assessment of metal availability to vegetation (<i>Betula pendula</i>) in Pb-Zn ore concentrate residues with different features. <i>Environmental Pollution</i> , 2007 , 145, 179-84 | 9.3 | 68 |
| 5 | Lead isotope ratio measurements by ICP-QMS to identify metal accumulation in vegetation specimens growing in mining environments. <i>Science of the Total Environment</i> , 2006 , 367, 988-98 | 10.2 | 21 |
| 4 | High-energy polarized-beam EDXRF for trace metal analysis of vegetation samples in environmental studies. <i>X-Ray Spectrometry</i> , 2006 , 35, 169-177 | 0.9 | 29 |
| 3 | Multielemental fast analysis of vegetation samples by wavelength dispersive X-ray fluorescence spectrometry: Possibilities and drawbacks. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005 , 60, 1363-1372 | 3.1 | 60 |
| 2 | Comparison of EDXRF and ICP-OES after microwave digestion for element determination in plant specimens from an abandoned mining area. <i>Analytica Chimica Acta</i> , 2005 , 549, 197-204 | 6.6 | 55 |
| 1 | Comparison of three-stage sequential extraction and toxicity characteristic leaching tests to evaluate metal mobility in mining wastes. <i>Analytica Chimica Acta</i> , 2004 , 524, 151-159 | 6.6 | 97 |