# Lars Carlsen

List of Publications by Year
in descending order

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| 136 | 2,773 | 186265 | 243625 |
|---|---|---|---|
| papers | citations | 28 h-index | 44 g-index |

| 142 | 142 | 142 | 1796 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Phthalates and nonylphenols in profiles of differently dressed soils. Science of the Total Environment, 2002, 296, 105-116. | 8.0 | 168 |
| 2 | Phthalates, nonylphenols and LAS in an alternately operated wastewater treatment plantâ€"fate modelling based on measured concentrations in wastewater and sludge. Water Research, 2003, 37, 1288-1295. | 11.3 | 125 |
| 3 | Estimation of Averaged Ranks by a Local Partial Order Model#. Journal of Chemical Information and Computer Sciences, 2004, 44, 618-625. | 2.8 | 100 |
| 4 | Lone pair-lone pair interactions in unsymmetrical systems: RSSR vs. RSOR. Journal of the American Chemical Society, 1977, 99, 2931-2942. | 13.7 | 87 |
| 5 | A preliminary assessment of the potential environmental and human health impact of unsymmetrical dimethylhydrazine as a result of space activities. Chemosphere, 2007, 67, 1108-1116. | 8.2 | 74 |
| 6 | A Comparison of Partial Order Technique with Three Methods of Multi-Criteria Analysis for Ranking of Chemical Substances. Journal of Chemical Information and Computer Sciences, 2002, 42, 1086-1098. | 2.8 | 71 |
| 7 | Screening of transformation products in soils contaminated with unsymmetrical dimethylhydrazine using headspace SPME and GCâ€"MS. Analytica Chimica Acta, 2010, 674, 32-39. | 5.4 | 69 |
| 8 | A QSAR/QSTR study on the human health impact of the rocket fuel 1,1-dimethyl hydrazine and its transformation products. Environmental Toxicology and Pharmacology, 2009, 27, 415-423. | 4.0 | 67 |
| 9 | Simple and accurate quantification of BTEX in ambient air by SPME and GCâ€"MS. Talanta, 2016, 154, 46-52. | 5.5 | 61 |
| 10 | Solubility of nonylphenol and nonylphenol ethoxylates. On the possible role of micelles. Chemosphere, 2001, 44, 759-763. | 8.2 | 58 |
| 11 | Transformation products of 1,1-dimethylhydrazine and their distribution in soils of fall places of rocket carriers in Central Kazakhstan. Science of the Total Environment, 2012, 427-428, 78-85. | 8.0 | 54 |
| 12 | Chemicals regulation and precaution: does REACH really incorporate the precautionary principle. Environmental Science and Policy, 2007, 10, 395-404. | 4.9 | 52 |
| 13 | The 17 United Nationsâ€™ sustainable development goals: a status by 2020. International Journal of Sustainable Development and World Ecology, 2022, 29, 219-229. | 5.9 | 47 |
| 14 | PyHasse Software for Partial Order Analysis: Scientific Background and Description of Selected Modules. , 2014, , 389-423. | | 43 |
| 15 | Fragile State Index: Trends and Developments. A Partial Order Data Analysis. Social Indicators Research, 2017, 133, 1-14. | 2.7 | 41 |
| 16 | Triphenyl phosphate allergy from spectacle frames. Contact Dermatitis, 1986, 15, 274-277. | 1.4 | 40 |
| 17 | Use of partial order in environmental pollution studies demonstrated by urban BTEX air pollution in 20 major cities worldwide. Science of the Total Environment, 2018, 610-611, 234-243. | 8.0 | 40 |
| 18 | Linear alkylbenzene sulfonates (LAS) in the terrestrial environment. Science of the Total Environment, 2002, 290, 225-230. | 8.0 | 38 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Improving Opportunities for Regulatory Acceptance of QSARs: The Importance of Model Domain, Uncertainty, Validity and Predictability. QSAR and Combinatorial Science, 2003, 22, 346-350. | 1.4 | 38 |
| 20 | A QSAR/QSTR Study on the Environmental Health Impact by the Rocket Fuel 1,1-Dimethyl Hydrazine and its Transformation Products. Environmental Health Insights, 2008, 1, EHI.S889. | 1.7 | 35 |
| 21 | The influence on partial order ranking from input parameter uncertainty. Chemosphere, 2000, 41, 595-601. | 8.2 | 34 |
| 22 | Partial order ranking-based QSARâ€™s: estimation of solubilities and octanolâ€“water partitioning. Chemosphere, 2001, 43, 295-302. | 8.2 | 32 |
| 23 | On the existence of two distinguishable isomers of CS3: carbon trisulfide and carbon disulfide S-sulfide. Journal of the American Chemical Society, 1990, 112, 3750-3754. | 13.7 | 31 |
| 24 | Flash pyrolysis of coals. Temperature-dependent product distribution. Journal of Analytical and Applied Pyrolysis, 1995, 32, 51-63. | 5.5 | 31 |
| 25 | GC-MS Determination of 1-Methyl-1H-1,2,4-triazole in Soils Affected by Rocket Fuel Spills in Central Kazakhstan. Chromatographia, 2008, 67, 421-424. | 1.3 | 31 |
| 26 | A multidimensional view on poverty in the European Union by partial order theory. Journal of Applied Statistics, 2015, 42, 535-554. | 1.3 | 31 |
| 27 | After Salisbury Nerve Agents Revisited. Molecular Informatics, 2019, 38, e1800106. | 2.5 | 31 |
| 28 | Comparison of the combined monitoring-based and modelling-based priority setting scheme with partial order theory and random linear extensions for ranking of chemical substances. Chemosphere, 2002, 49, 637-649. | 8.2 | 30 |
| 29 | Assessment of the mutagenic effect of 1,1-dimethyl hydrazine. Environmental Toxicology and Pharmacology, 2009, 28, 448-452. | 4.0 | 30 |
| 30 | Multi-criteria decision analyses. Viewing MCDA in terms of both process and aggregation methods: Some thoughts, motivated by the paper of Huang, Keisler and Linkov. Science of the Total Environment, 2012, 425, 293-295. | 8.0 | 30 |
| 31 | Oxathiiranes. 9. An ab initio CASSCF study of the photolytic formation and decomposition of oxathiirane. Journal of the American Chemical Society, 1984, 106, 1557-1561. | 13.7 | 29 |
| 32 | GCâ€“MS and GCâ€“NPD Determination of Formaldehyde Dimethylhydrazone in Water Using SPME. Chromatographia, 2011, 73, 123-128. | 1.3 | 29 |
| 33 | QSARs for Prioritizing PBT Substances to Promote Pollution Prevention. QSAR and Combinatorial Science, 2003, 22, 49-57. | 1.4 | 27 |
| 34 | Purification of acetonitrile. Analytical Chemistry, 1979, 51, 1593-1595. | 6.5 | 26 |
| 35 | An effective approach to flash vacuum thermolytic studies. Thermochimica Acta, 1980, 38, 47-58. | 2.7 | 26 |
| 36 | The electronic structure of .beta.-thioxoketones. A photoelectron spectroscopic study of the enol-enethiol tautomerism of thioacetylacetone and related compounds. Journal of the American Chemical Society, 1981, 103, 1350-1353. | 13.7 | 26 |

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| 37 | Experimental evidence for the gaseous HSO3â€¢ radical. The key intermediate in the oxidation of SO2 in the atmosphere. Chemical Physics Letters, 1988, 148, 537-540. | 2.6 | 26 |
| 38 | Hierarchical partial order ranking. Environmental Pollution, 2008, 155, 247-253. | 7.5 | 26 |
| 39 | The â€˜Failed State Indexâ€™ Offers More than Just a Simple Ranking. Social Indicators Research, 2014, 115, 525-530. | 2.7 | 26 |
| 40 | Happiness as a sustainability factor. The world happiness index: a posetic-based data analysis. Sustainability Science, 2018, 13, 549-571. | 4.9 | 25 |
| 41 | Remarks on the evaluation of non-isothermal kinetic results. Thermochimica Acta, 1979, 33, 387-389. | 2.7 | 24 |
| 42 | Geographical classification of amber based on pyrolysis- and infra-red spectroscopy data. Journal of Analytical and Applied Pyrolysis, 1997, 43, 71-81. | 5.5 | 24 |
| 43 | QSAR's based on partial order ranking. SAR and QSAR in Environmental Research, 2002, 13, 153-165. | 2.2 | 24 |
| 44 | Analysis of monitoring data of pesticide residues in surface waters using partial order ranking theory. Environmental Toxicology and Chemistry, 2003, 22, 661-670. | 4.3 | 24 |
| 45 | Conjugative effects on the enol-enethiol tautomerism of .beta.-thioxoketones. Journal of the American Chemical Society, 1978, 100, 281-282. | 13.7 | 23 |
| 46 | Isomerization of the dimethyl sulfoxide radical cation and the possible analogies to the neutral species. Journal of the American Chemical Society, 1988, 110, 6701-6705. | 13.7 | 22 |
| 47 | Flash pyrolysis of coals A new approach of classification. Journal of Analytical and Applied Pyrolysis, 1995, 35, 77-91. | 5.5 | 22 |
| 48 | Organo-sulfur mechanisms. 8. Oxathiiranes. 4. Sulfene and the 1CH2/SO2 potential energy surface. Journal of Organic Chemistry, 1978, 43, 2216-2224. | 3.2 | 20 |
| 49 | .beta.-Thioxo ketones. 8. X-ray photoelectron-spectroscopic study of the enol-enethiol tautomerism of thioacetylacetone and related .beta.-thioxo ketones. Journal of the American Chemical Society, 1982, 104, 5922-5926. | 13.7 | 20 |
| 50 | 131I-Labelled N-isopropyl-p-iodoamphetamine. European Journal of Nuclear Medicine and Molecular Imaging, 1982, 7, 280-1. | 2.1 | 20 |
| 51 | Introduction to partial order theory exemplified by the Evaluation of Sampling Sites. , 2006, , 61-110. | | 20 |
| 52 | On the ranking of chemicals based on their PBT characteristics: Comparison of different ranking methodologies using selected POPs as an illustrative example. Chemosphere, 2013, 90, 112-117. | 8.2 | 19 |
| 53 | A combined QSAR and partial order ranking approach to risk assessment. SAR and QSAR in Environmental Research, 2006, 17, 133-146. | 2.2 | 18 |
| 54 | Techniques in gas phase thermolyses. Journal of Analytical and Applied Pyrolysis, 1982, 4, 33-46. | 5.5 | 17 |

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| 55 | Partial order methodology: a valuable tool in chemometrics. Journal of Chemometrics, 2014, 28, 226-234. | 1.3 | 17 |
| 56 | Techniques in gas-phase thermolyses. Journal of Analytical and Applied Pyrolysis, 1983, 5, 1-7. | 5.5 | 16 |
| 57 | Contact sensitivity and bioavailability of chlorocresol. Contact Dermatitis, 1985, 13, 246-251. | 1.4 | 16 |
| 58 | Enzymatically mediated formation of chlorinated humic acids. Organic Geochemistry, 1992, 18, 477-480. | 1.8 | 16 |
| 59 | Distribution and risk assessment of selected organochlorine pesticides in Kyzyl Kairat village from Kazakhstan. Environmental Monitoring and Assessment, 2016, 188, 358. | 2.7 | 16 |
| 60 | Thermal decomposition of 1,2,3,4-thiatriazoles. On the question of thioacyl azide and thioacyl nitrene intermediates. Journal of Organic Chemistry, 1978, 43, 4816-4822. | 3.2 | 15 |
| 61 | Evaluation of analytical performance based on partial order methodology. Talanta, 2015, 132, 285-293. | 5.5 | 15 |
| 62 | Action of oxygen on thiobenzophenone in the dark. Journal of Organic Chemistry, 1976, 41, 2971-2973. | 3.2 | 14 |
| 63 | Carbonyl sulfides as possible intermediates in the photolysis of oxathiiranes. Tetrahedron, 1981, 37, 1257-1262. | 1.9 | 14 |
| 64 | The Interplay between QSAR/QSPR Studiesand Partial Order Ranking and Formal Concept Analyses. International Journal of Molecular Sciences, 2009, 10, 1628-1657. | 4.1 | 14 |
| 65 | Incomparable: what now II? Absorption of incomparabilities by a cluster method. Quality and Quantity, 2015, 49, 1633-1645. | 3.7 | 14 |
| 66 | Cationic and neutral nitrosamide: viable molecules in the dilute gas phase. Chemical Physics Letters, 1992, 199, 643-647. | 2.6 | 13 |
| 67 | Environmental perception in 33 European countries: an analysis based on partial order. Environment, Development and Sustainability, 2020, 22, 1873-1896. | 5.0 | 13 |
| 68 | Gender inequality and development. Sustainability Science, 2020, 15, 759-780. | 4.9 | 13 |
| 69 | An Analysis of the â€˜Failed States Indexâ€™ by Partial Order Methodology. Journal of Social Structure, 2013, 14, 1-31. | 1.3 | 13 |
| 70 | Perturbed pericyclic reactions: the retrocycloaddition of Î²-sultines.. Tetrahedron Letters, 1977, 18, 2045-2048. | 1.4 | 12 |
| 71 | Application of selected partial order tools to analyze fate and toxicity indicators of environmentally hazardous chemicals. Ecological Indicators, 2013, 29, 191-202. | 6.3 | 12 |
| 72 | An Alternative View on Distribution Keys for the Possible Relocation of Refugees in the European Union. Social Indicators Research, 2017, 130, 1147-1163. | 2.7 | 12 |

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| 73 | On the possible intermediates in the ozonolysis of thiocarbonyl compounds. Tetrahedron Letters, 1977, 18, 4103-4106. | 1.4 | 11 |
| 74 | Analysis of antioxidants in polymer material by a strategy employing tandem mass spectrometry and liquid chromatography. TrAC - Trends in Analytical Chemistry, 1992, 11, 164-168. | 11.4 | 11 |
| 75 | Giving Molecules an Identity. On the Interplay Between QSARs and Partial Order Ranking. Molecules, 2004, 9, 1010-1018. | 3.8 | 11 |
| 76 | Accumulating partial order ranking. Environmental Modelling and Software, 2008, 23, 986-993. | 4.5 | 11 |
| 77 | Improving the Predicting Power of Partial Order Based QSARs through Linear Extensions. Journal of Chemical Information and Computer Sciences, 2002, 42, 806-811. | 2.8 | 10 |
| 78 | Techniques in gas-phase thermolyses. Journal of Analytical and Applied Pyrolysis, 1984, 7, 1-13. | 5.5 | 9 |
| 79 | Unimolecular decomposition of the methyl nitrite radical cation. On the possible operation of quantum-mechanical tunneling. Chemical Physics Letters, 1988, 147, 30-32. | 2.6 | 9 |
| 80 | Radioactive labelling and characterisation of humic materials. Environment International, 1994, 20, 127-134. | 10.0 | 9 |
| 81 | The C2H3O+ chemi-ion. Acetyl cation or O-protonated ketene?. Chemical Physics Letters, 1995, 236, 78-82. | 2.6 | 9 |
| 82 | Fate Modelling of DEHP in Roskilde Fjord, Denmark. Environmental Modeling and Assessment, 2009, 14, 209-220. | 2.2 | 9 |
| 83 | Gasâ€Phase Thermolysis, 14. On the Isomerization of Dimethyl Carbonate and Its Monoâ€, Diâ€, and Trithio Analogs. Chemische Berichte, 1991, 124, 1265-1270. | 0.2 | 8 |
| 84 | Protonated nitrosamide. An intermediate in a possible ionic DeNox process. Chemical Physics Letters, 1994, 227, 33-38. | 2.6 | 8 |
| 85 | Responsible consumption and production in the European Union. A partial order analysis of Eurostat SDG 12 data. Green Finance, 2021, 3, 28-45. | 6.2 | 8 |
| 86 | Thermal Decomposition of 1,2-Oxathiolane in the Gas Phase. Chemische Berichte, 1984, 117, 1393-1399. | 0.2 | 7 |
| 87 | Gas-phase Pyrolysis of Methyl Dimethylcarbamate and the Corresponding Mono- and Dithio Analogs. Chemische Berichte, 1987, 120, 987-990. | 0.2 | 7 |
| 88 | Isomerization of the nitroethylene radical cation1. Organic Mass Spectrometry, 1989, 24, 1031-1032. | 1.3 | 7 |
| 89 | Flocculation behaviour of humic substances in the presence of cations: Consequences on the migration behaviour of actinides in the geosphere. Waste Management, 1992, 12, 1-6. | 7.4 | 7 |
| 90 | Decent Work and Economic Growth in the European Union. A partial order analysis of Eurostat SDG 8 data. Green Finance, 2021, 3, 483-494. | 6.2 | 7 |

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| 91 | On the OCS2 Singlet potential energy surface. Journal of Computational Chemistry, 1982, 3, 23-27. | 3.3 | 6 |
| 92 | Hypohalous acidium ions. International Journal of Mass Spectrometry and Ion Processes, 1992, 113, 233-240. | 1.8 | 6 |
| 93 | Indicator Analyses: What Is Importantâ€"and for What?. , 2014, , 359-387. | | 6 |
| 94 | Partial Ordering and Metrology Analyzing Analytical Performance. , 2017, , 49-70. | | 6 |
| 95 | Unimolecular gas-phase thermolysis of ethyl acetate. International Journal of Mass Spectrometry and Ion Physics, 1983, 47, 55-58. | 1.3 | 5 |
| 96 | Solid state pyrolyses Part 2: Solid state kinetics studied by pyrolysisâ€"gas chromatography. Journal of Analytical and Applied Pyrolysis, 1991, 19, 15-27. | 5.5 | 5 |
| 97 | Mechanistic aspects of ionic reactions in flames. Journal of Analytical and Applied Pyrolysis, 1993, 25, 361-370. | 5.5 | 5 |
| 98 | Flash pyrolysis of coal sub-structures adsorbed on a carbosieve. Journal of Analytical and Applied Pyrolysis, 1993, 24, 311-323. | 5.5 | 5 |
| 99 | On the influence of data noise and uncertainty on ordering of objects, described by a multiâ€indicator system. A set of pesticides as an exemplary case. Journal of Chemometrics, 2016, 30, 22-29. | 1.3 | 5 |
| 100 | Gender Equality in Europe: The Development of the Sustainable Development Goal No. 5 Illustrated by Exemplary Cases. Social Indicators Research, 2021, 158, 1127. | 2.7 | 5 |
| 101 | Peculiarities in Multidimensional Regional Poverty. , 2017, , 121-133. | | 5 |
| 102 | Techniques in gas-phase thermolyses. Journal of Analytical and Applied Pyrolysis, 1983, 5, 257-259. | 5.5 | 4 |
| 103 | Techniques in gas-phase thermolyses. Journal of Analytical and Applied Pyrolysis, 1985, 8, 3-14. | 5.5 | 4 |
| 104 | Techniques in gas-phase thermolyses. Journal of Analytical and Applied Pyrolysis, 1986, 10, 83-87. | 5.5 | 4 |
| 105 | The influence of complexation on radionuclide migration: A theoretical study. Waste Management, 1989, 9, 165-169. | 7.4 | 4 |
| 106 | An approach to solid state kinetics. Journal of Analytical and Applied Pyrolysis, 1989, 15, 373-381. | 5.5 | 4 |
| 107 | The isomerizations of ethyl carbamate radical cations. Organic Mass Spectrometry, 1992, 27, 535-536. | 1.3 | 4 |
| 108 | Stakeholdersâ€™ Opinions: Food Sustainability as an Exemplary Case. Social Indicators Research, 2019, 157, 43. | 2.7 | 4 |

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| 109 | How Happy Are we Actually? A Posetic Analysis of the World Happiness Index 2016â€“2019 Denmark as an Exemplary Case. International Journal of Community Well-Being, 2020, 3, 311-322. | 1.3 | 4 |
| 110 | Data analyses by partial order methodology. Chemical Bulletin of Kazakh National University, 2015, , 21-33. | 0.1 | 4 |
| 111 | Partial ordering as decision support to evaluate remediation technologies. AIMS Environmental Science, 2015, 2, 110-121. | 1.4 | 4 |
| 112 | R<sup>1</sup>R<sup>2</sup>CSO<sub>x</sub>Structures in the Conversion of Thiocarbonyl Compounds Into the Corresponding Oxo Derivatives. Sulfur Reports, 1983, 3, 217-247. | 0.4 | 3 |
| 113 | Techniques in gas-phase thermolyses. Journal of Analytical and Applied Pyrolysis, 1987, 11, 25-38. | 5.5 | 3 |
| 114 | Solid state pyrolyses. Journal of Analytical and Applied Pyrolysis, 1993, 26, 115-125. | 5.5 | 3 |
| 115 | Assessment of Chemicals Applying Partial Order Ranking Techniques. Combinatorial Chemistry and High Throughput Screening, 2008, 11, 794-805. | 1.1 | 3 |
| 116 | Attempt to test impact values for multi-indicator systemsâ€”exemplified by gender equality. Quality and Quantity, 0, , 1. | 3.7 | 3 |
| 117 | Inequalities in the European Unionâ€”A Partial Order Analysis of the Main Indicators. Sustainability, 2021, 13, 6278. | 3.2 | 3 |
| 118 | Rating Potential Land Use Taking Ecosystem Service into Accountâ€”How to Manage Trade-Offs. Standards, 2021, 1, 79-89. | 1.4 | 3 |
| 119 | Flash pyrolysis of coal sub-structures. A mechanistic and kinetic evaluation. Journal of Analytical and Applied Pyrolysis, 1993, 25, 229-242. | 5.5 | 2 |
| 120 | Protonated carbamic acid. Collisional activation and unimolecular dissociation of CH4NO + 2. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 941. | 1.7 | 2 |
| 121 | Environmental and Health Monitoring in Relation to the Demolition of the Former CWPF at JSC Khimprom, Novocheboksarsk, Russia. , 2006, , 173-197. | | 2 |
| 122 | Interpolation Schemes in QSAR. , 2006, , 163-179. | | 2 |
| 123 | Uncertainty in Weights for Composite Indicators Generated by Weighted Sums. , 2021, , 45-62. | | 2 |
| 124 | A posetic based assessment of atmospheric VOCs. AIMS Environmental Science, 2017, 4, 403-416. | 1.4 | 2 |
| 125 | Analysis of monitoring data of pesticide residues in surface waters using partial order ranking theory. Environmental Toxicology and Chemistry, 2003, 22, 661-70. | 4.3 | 2 |
| 126 | Electron impact induced reactions of ethyl acetate and its sulphur analogues. International Journal of Mass Spectrometry and Ion Physics, 1983, 47, 359-362. | 1.3 | 1 |

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| 127 | A partial-order-based approach for assessing multiple risks. Toxicological and Environmental Chemistry, 2016, , 1-16. | 1.2 | 1 |
| 128 | Prioritizing PBT Substances. , 2006, , 153-160. | | 1 |
| 129 | Partial Order in Environmental Chemistry. Current Computer-Aided Drug Design, 2020, 16, 257-269. | 1.2 | 1 |
| 130 | How synergistic or antagonistic effects may influence the mutual hazard ranking of chemicals. AIMS Environmental Science, 2015, 2, 241-252. | 1.4 | 1 |
| 131 | Assessing and Grouping Chemicals Applying Partial Ordering Alkyl Anilines as an Illustrative Example. Combinatorial Chemistry and High Throughput Screening, 2018, 21, 349-357. | 1.1 | 1 |
| 132 | Synthesis of 5-amino[carboxyl-14C]salicylic acid. Journal of Labelled Compounds and Radiopharmaceuticals, 1987, 24, 1393-1395. | 1.0 | 0 |
| 133 | A Study to Generate a Weak Order from a Partially Ordered Set, Taken Biomonitoring Measurements. , 2021, , 63-82. | | 0 |
| 134 | There Is No Such Thing as a Free Lunch! Who Is Paying for Our Happiness?. , 2021, , 205-218. | | 0 |
| 135 | Looking for Alternatives? Split-Shots as an Exemplary Case. , 2021, , 153-164. | | 0 |
| 136 | Factors determining the degree of gender equality within the European Union. Quality and Quantity, 0, , . | 3.7 | 0 |