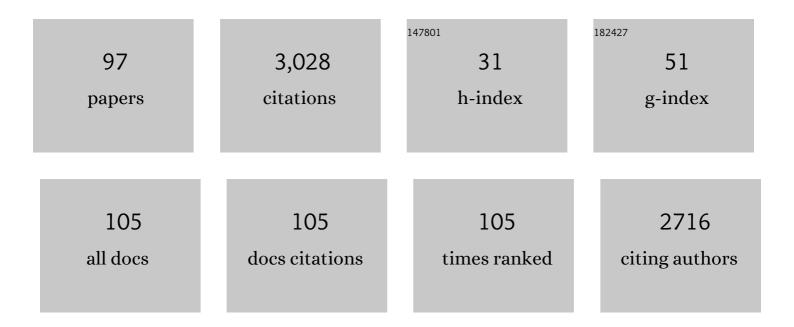
List of Publications by Year in descending order

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Δρημιλή Διτλνί

| # | Article | lF | CITATIONS |
|----|---|------|-----------|
| 1 | Decomposition of hydrocarbons to hydrogen and carbon. Applied Catalysis A: General, 2009, 359, 1-24. | 4.3 | 194 |
| 2 | Homogeneous catalytic reduction of CO ₂ with hydrosilanes. Catalysis Science and Technology, 2014, 4, 611-624. | 4.1 | 184 |
| 3 | Ethylene dimerization and oligomerization to butene-1 and linear α-olefins. Catalysis Today, 1992, 14, 1-121. | 4.4 | 170 |
| 4 | Recent Advances in Reactions of Alkylbenzenes Over Novel Zeolites: The Effects of Zeolite Structure and Morphology. Catalysis Reviews - Science and Engineering, 2014, 56, 333-402. | 12.9 | 148 |
| 5 | Maximization of FCC light olefins by high severity operation and ZSM-5 addition. Catalysis Today, 2000, 60, 111-117. | 4.4 | 83 |
| 6 | Characterization of chromia/alumina catalysts by X-ray photoelectron spectroscopy, proton induced X-ray emission and thermogravimetric analysis. Applied Catalysis A: General, 1995, 121, 203-216. | 4.3 | 78 |
| 7 | Metathesis of 2-butene to propylene over W-mesoporous molecular sieves: A comparative study between tungsten containing MCM-41 and SBA-15. Applied Catalysis A: General, 2013, 467, 224-234. | 4.3 | 78 |
| 8 | Silicalite-1 As Efficient Catalyst for Production of Propene from 1-Butene. ACS Catalysis, 2014, 4, 4205-4214. | 11.2 | 73 |
| 9 | Enhancing propylene production from catalytic cracking of Arabian Light VGO over novel zeolites as FCC catalyst additives. Fuel, 2011, 90, 459-466. | 6.4 | 72 |
| 10 | Kinetics of toluene alkylation with methanol catalyzed by pure and hybridized HZSM-5 catalysts. Chemical Engineering Journal, 2012, 195-196, 276-288. | 12.7 | 67 |
| 11 | Catalytic cracking of Arabian Light VGO over novel zeolites as FCC catalyst additives for maximizing propylene yield. Fuel, 2016, 167, 226-239. | 6.4 | 67 |
| 12 | Catalytic cracking of crude oil to light olefins and naphtha: Experimental and kinetic modeling. Chemical Engineering Research and Design, 2017, 120, 121-137. | 5.6 | 64 |
| 13 | Modified HZSM-5 as FCC additive for enhancing light olefins yield from catalytic cracking of VGO. Applied Catalysis A: General, 2014, 477, 172-183. | 4.3 | 60 |
| 14 | Enhancing the Production of Light Olefins by Catalytic Cracking of FCC Naphtha over Mesoporous ZSM-5 Catalyst. Topics in Catalysis, 2010, 53, 1387-1393. | 2.8 | 57 |
| 15 | Comparison studies of xylene isomerization and disproportionation reactions between SSZ-33, TNU-9, mordenite and ZSM-5 zeolite catalysts. Chemical Engineering Journal, 2011, 166, 348-357. | 12.7 | 48 |
| 16 | Catalytic Cracking of Light Crude Oil to Light Olefins and Naphtha over E-Cat and MFI: Microactivity Test versus Advanced Cracking Evaluation and the Effect of High Reaction Temperature. Energy & Fuels, 2018, 32, 6189-6199. | 5.1 | 47 |
| 17 | Catalytic Upgrading of Light Naphtha to Gasoline Blending Components: A Mini Review. Energy & Fuels, 2019, 33, 3828-3843. | 5.1 | 46 |
| 18 | Thermal and catalytic cracking of whole crude oils at high severity. Journal of Analytical and Applied Pyrolysis, 2020, 145, 104705. | 5.5 | 46 |

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| 19 | Catalytic cracking of heavy naphtha-range hydrocarbons over different zeolites structures. Fuel Processing Technology, 2014, 122, 12-22. | 7.2 | 45 |
| 20 | Transalkylation of toluene with trimethylbenzenes over large-pore zeolites. Applied Catalysis A: General, 2010, 377, 99-106. | 4.3 | 42 |
| 21 | Catalytic cracking of 1-butene to propylene using modified H-ZSM-5 catalyst: A comparative study of surface modification and core-shell synthesis. Applied Catalysis A: General, 2017, 533, 109-120. | 4.3 | 42 |
| 22 | Side-chain alkylation of toluene with methanol to styrene over cesium ion-exchanged zeolite X modified with metal borates. Applied Catalysis A: General, 2012, 443-444, 214-220. | 4.3 | 39 |
| 23 | Modification of Cs-X for styrene production by side-chain alkylation of toluene with methanol. Catalysis Today, 2014, 226, 117-123. | 4.4 | 39 |
| 24 | Kinetics of dealkylation–transalkylation of C9 alkyl-aromatics over zeolites of different structures. Chemical Engineering Research and Design, 2013, 91, 2601-2616. | 5.6 | 38 |
| 25 | Catalysis of alkaline-modified mordenite for benzene alkylation of diolefin-containing dodecene for linear alkylbenzene synthesis. Journal of Catalysis, 2013, 300, 81-90. | 6.2 | 37 |
| 26 | Conversion of Arabian Light Crude Oil to Light Olefins via Catalytic and Thermal Cracking. Energy & Fuels, 2018, 32, 8705-8714. | 5.1 | 37 |
| 27 | Selective synthesis of linear alkylbenzene by alkylation of benzene with 1-dodecene over desilicated zeolites. Catalysis Today, 2014, 227, 187-197. | 4.4 | 36 |
| 28 | Solvent-free iridium-catalyzed CO ₂ hydrosilylation: experiments and kinetic modeling. Catalysis Science and Technology, 2015, 5, 274-279. | 4.1 | 36 |
| 29 | Transformation of Toluene and 1,2,4-Trimethylbenzene over ZSM-5 and Mordenite Catalysts: A Comprehensive Kinetic Model with Reversibility. Industrial & Engineering Chemistry Research, 2010, 49, 6376-6387. | 3.7 | 35 |
| 30 | Catalytic Cracking of Arab Super Light Crude Oil to Light Olefins: An Experimental and Kinetic Study. Energy & Fuels, 2018, 32, 2234-2244. | 5.1 | 34 |
| 31 | Zinc oxide as efficient additive to cesium ion-exchanged zeolite X catalyst for side-chain alkylation of toluene with methanol. Journal of Molecular Catalysis A, 2016, 424, 98-105. | 4.8 | 33 |
| 32 | Kinetics modeling of ethylbenzene dehydrogenation to styrene over a mesoporous alumina supported iron catalyst. Chemical Engineering Journal, 2012, 207-208, 308-321. | 12.7 | 32 |
| 33 | Pathway to Ethylbenzene Formation in Side-Chain Alkylation of Toluene with Methanol Over Cesium Ion-Exchanged Zeolite X. Catalysis Letters, 2013, 143, 1025-1029. | 2.6 | 32 |
| 34 | Catalytic Cracking of Crude Oil: Mini Review of Catalyst Formulations for Enhanced Selectivity to Light Olefins. Energy & Fuels, 2022, 36, 5152-5166. | 5.1 | 32 |
| 35 | Diffusion and reactivity of gas oil in FCC catalysts. Canadian Journal of Chemical Engineering, 2001, 79, 341-348. | 1.7 | 31 |
| 36 | Catalytic cracking of vacuum gasoil over -SVR, ITH, and MFI zeolites as FCC catalyst additives. Fuel Processing Technology, 2017, 161, 23-32. | 7.2 | 31 |

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| 37 | Catalytic transformation of methyl benzenes over zeolite catalysts. Applied Catalysis A: General, 2011, 394, 176-190. | 4.3 | 30 |
| 38 | 1,2,4-Trimethylbenzene Transformation Reaction Compared with its Transalkylation Reaction with Toluene over USY Zeolite Catalyst. Industrial & Engineering Chemistry Research, 2007, 46, 4459-4467. | 3.7 | 29 |
| 39 | Conversion of heavy reformate into xylenes over mordenite-based catalysts. Chemical Engineering Research and Design, 2011, 89, 2125-2135. | 5.6 | 29 |
| 40 | Utilization of ZSM-5/MCM-41 composite as FCC catalyst additive for enhancing propylene yield from VGO cracking. Journal of Porous Materials, 2012, 19, 499-509. | 2.6 | 29 |
| 41 | Control of the Reaction Mechanism of Alkylaromatics Transalkylation by Means of Molecular Confinement Effects Associated to Zeolite Channel Architecture. ACS Catalysis, 2019, 9, 5935-5946. | 11.2 | 29 |
| 42 | FCC Gasoline Sulfur Reduction by Additives: A Review. Petroleum Science and Technology, 2007, 25, 299-313. | 1.5 | 28 |
| 43 | Processes to enhance refinery-hydrogen production. International Journal of Hydrogen Energy, 1996, 21, 267-271. | 7.1 | 27 |
| 44 | Hydroconversion of fatty acid derivative over supported Ni-Mo catalysts under low hydrogen pressure. Catalysis Today, 2018, 303, 185-190. | 4.4 | 27 |
| 45 | Environmental Benign Catalysis for Linear Alkylbenzene Synthesis: A Review. Catalysis Surveys From Asia, 2014, 18, 1-12. | 2.6 | 25 |
| 46 | Catalytic Transformation of 1,3,5-Trimethylbenzene over a USY Zeolite Catalyst. Energy & Fuels, 2007, 21, 2499-2508. | 5.1 | 24 |
| 47 | Enhancement of Propylene Production in a Downer FCC Operation using a ZSM-5 Additive. Chemical Engineering and Technology, 2005, 28, 923-929. | 1.5 | 23 |
| 48 | Catalytic cracking of n-dodecane and alkyl benzenes over FCC zeolite catalysts: Time on stream and reactant converted models. Chemical Engineering and Processing: Process Intensification, 2005, 44, 1257-1268. | 3.6 | 22 |
| 49 | Catalytic Cracking of Light Crude Oil: Effect of Feed Mixing with Liquid Hydrocarbon Fractions. Energy & Fuels, 2017, 31, 12677-12684. | 5.1 | 21 |
| 50 | Oil Refining and Products. , 2004, , 715-729. | | 19 |
| 51 | Kinetics modeling of disproportionation and ethylation of ethylbenzene over HZSM-5: Effects of SiO2/Al2O3 ratio. Chemical Engineering Journal, 2013, 222, 498-511. | 12.7 | 19 |
| 52 | Influencing the activity and selectivity of alkylaromatic catalytic transformations by varying the degree of delamination in MWW zeolites. Catalysis Science and Technology, 2016, 6, 3166-3181. | 4.1 | 18 |
| 53 | Hierarchical composite catalysts of MCM-41 on zeolite Beta for conversion of heavy reformate to xylenes. Journal of Industrial and Engineering Chemistry, 2021, 98, 189-199. | 5.8 | 18 |
| 54 | Sulfur reduction in FCC gasoline using catalyst additives. Applied Catalysis A: General, 2006, 303, 116-120. | 4.3 | 17 |

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| 55 | Metathesis of 2-pentene over Mo and W supported mesoporous molecular sieves MCM-41 and SBA-15. Journal of Industrial and Engineering Chemistry, 2017, 53, 119-126. | 5.8 | 17 |
| 56 | The effect of UTL layer connectivity in isoreticular zeolites on the catalytic performance in toluene alkylation. Catalysis Today, 2016, 277, 55-60. | 4.4 | 16 |
| 57 | Three-dimensional 10-ring zeolites: The activities in toluene alkylation and disproportionation. Catalysis Today, 2016, 259, 97-106. | 4.4 | 16 |
| 58 | Steam catalytic cracking of crude oil over novel hierarchical zeolite–containing mesoporous silica–alumina core-shell catalysts. Journal of Analytical and Applied Pyrolysis, 2022, 166, 105621. | 5.5 | 16 |
| 59 | Alkylation of toluene with ethanol to para-ethyltoluene over MFI zeolites: Comparative study and kinetic modeling. Catalysis Today, 2015, 243, 109-117. | 4.4 | 15 |
| 60 | Catalysis of metal supported zeolites for dealkylation–transalkylation of alkyl-aromatics. Applied Catalysis A: General, 2016, 514, 154-163. | 4.3 | 14 |
| 61 | Kinetics modelling of 2â€butene metathesis over tungsten oxide containing mesoporous silica catalyst. Canadian Journal of Chemical Engineering, 2014, 92, 1271-1282. | 1.7 | 13 |
| 62 | Selective production of xylenes from alkyl-aromatics and heavy reformates over dual-zeolite catalyst. Catalysis Today, 2015, 243, 118-127. | 4.4 | 13 |
| 63 | Effect of the CO2-pressure on the hydrosilylation of CO2 catalyzed by [Ir(NSiN)] species. Journal of CO2 Utilization, 2015, 12, 21-26. | 6.8 | 13 |
| 64 | The effect of alkylation route on ethyltoluene production over different structural types of zeolites. Chemical Engineering Journal, 2016, 306, 1071-1080. | 12.7 | 13 |
| 65 | Experimental determination of high-severity fluidized catalytic cracking (HS-FCC) deactivation constant. Applied Catalysis A: General, 2002, 237, 71-80. | 4.3 | 12 |
| 66 | Catalytic Transformation of Ethylbenzene over Y-Zeolite-based Catalysts. Energy & Fuels, 2008, 22, 3612-3619. | 5.1 | 12 |
| 67 | Production of Xylenes from Toluene and 1,2,4â€Trimethylbenzene over ZSMâ€5 and Mordenite Catalysts in a Fluidizedâ€Bed Reactor. Chemical Engineering and Technology, 2010, 33, 1193-1202. | 1.5 | 12 |
| 68 | Kinetics Study of Ethylbenzene Alkylation with Ethanol over Medium and Large Pore Zeolites. Industrial & Engineering Chemistry Research, 2013, 52, 13613-13621. | 3.7 | 12 |
| 69 | Light Paraffinic Naphtha to BTX Aromatics over Metalâ€Modified Pt/ZSMâ€5. ChemistrySelect, 2020, 5, 13807-13813. | 1.5 | 12 |
| 70 | METHANE CONVERSION TECHNOLOGY AND ECONOMICS. Petroleum Science and Technology, 1991, 9, 137-158. | 0.2 | 11 |
| 71 | Influence of toluene–tetramethylbenzene transalkylation on heavy aromatics conversion to xylenes. Journal of Industrial and Engineering Chemistry, 2015, 21, 1077-1088. | 5.8 | 11 |
| 72 | Infrared Study of Silanol Groups on Dealuminated High Silica MFI Zeolite to Correlate Different Types of Silanol Groups with Activity for Conversion of 1-Butene to Propene. Catalysis Letters, 2020, 150, 771-780. | 2.6 | 10 |

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| 73 | Molecular-Level Kinetic Modeling of Methyl Laurate: The Intrinsic Kinetics of Triglyceride Hydroprocessing. Energy & Fuels, 2018, 32, 5264-5270. | 5.1 | 9 |
| 74 | Kinetics of Desorption of 1,3-Diisopropylbenzene and 1,3,5-Triisopropylbenzene. 1. Diffusion in Y-Zeolite Crystals by the Zero-Length-Column Method. Industrial & Engineering Chemistry Research, 2005, 44, 2027-2035. | 3.7 | 8 |
| 75 | Experimental and kinetic studies of ethyltoluenes production via different alkylation reactions. Chemical Engineering Research and Design, 2015, 95, 34-46. | 5.6 | 8 |
| 76 | Design of an MWW zeolite catalyst for linear alkylbenzene synthesis with improved catalytic stability. Catalysis Science and Technology, 2016, 6, 2715-2724. | 4.1 | 8 |
| 77 | Molecular-Level Kinetic Modeling of Triglyceride Hydroprocessing. Energy & Fuels, 2019, 33, 7377-7384. | 5.1 | 8 |
| 78 | Oxidative dehydrogenation of n-butane to butadiene catalyzed by new mesoporous mixed oxides NiO-(beta-Bi2O3)-Bi2SiO5/SBA-15 system. Molecular Catalysis, 2020, 488, 110893. | 2.0 | 8 |
| 79 | EFFECT OF ZSM-5 ADDITION ON PRODUCT DISTRIBUTION IN A HIGH SEVERITY FCC MODE. Petroleum Science and Technology, 2001, 19, 685-695. | 1.5 | 7 |
| 80 | X-ray Photoelectron Spectroscopy Study of Mo–Ni/γ–Al2O3 Catalysts for Hydroconversion of Fatty Oil Derivatives. Arabian Journal for Science and Engineering, 2014, 39, 6617-6625. | 1.1 | 7 |
| 81 | ADVANCES IN THE CHEMISTRY OF CATALYTIC REFORMING OF NAPHTHA. Petroleum Science and Technology, 1991, 9, 1-23. | 0.2 | 6 |
| 82 | Phenomenologicalâ€based kinetics modelling of dehydrogenation of ethylbenzene to styrene over a Mg ₃ Fe _{0.25} Mn _{0.25} Al _{0.5} hydrotalcite catalyst. Canadian Journal of Chemical Engineering, 2013, 91, 924-935. | 1.7 | 6 |
| 83 | Potentials for Diesel Fuel Production by Hydroprocessing of Middle Distillates. Energy Sources Part A Recovery, Utilization, and Environmental Effects, 1992, 14, 155-167. | 0.5 | 5 |
| 84 | Enhanced light olefins production via n-pentane cracking using modified MFI catalysts. Heliyon, 2022, 8, e09181. | 3.2 | 5 |
| 85 | Thermal analysis of spent steam-reforming catalysts. Thermochimica Acta, 1989, 149, 147-156. | 2.7 | 4 |
| 86 | Sulfur Reduction in FCC Gasoline with a Commercial Additive: A Microactivity Study. Petroleum Science and Technology, 2003, 21, 1265-1274. | 1.5 | 4 |
| 87 | Development of High Severity FCC Process for Maximizing Propylene Production —Catalyst Development and Optimization of Reaction Conditions—. Journal of the Japan Petroleum Institute, 2010, 53, 336-341. | 0.6 | 4 |
| 88 | Kinetics of liquid phase alkylation of benzene with dodecene over mordenite. Canadian Journal of Chemical Engineering, 2015, 93, 870-880. | 1.7 | 4 |
| 89 | Catalytic and Mechanistic Insights into Sideâ€Chain Alkenylation of Toluene with Methanol for Styrene Formation. ChemistrySelect, 2021, 6, 8026-8051. | 1.5 | 4 |
| 90 | Elucidation of the Reaction Network for the Oxidative Dehydrogenation of Butane to Butadiene. Energy & Fuels, 2019, 33, 1473-1478. | 5.1 | 3 |

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| 91 | Bimetallic Biâ€Ni oxides over carbide supports for oxidative dehydrogenation of <i>n</i> â€butane: Experimental and kinetic modelling. Canadian Journal of Chemical Engineering, 2018, 96, 1367-1376. | 1.7 | 2 |
| 92 | The measurement of the extent of reduction of steam-reforming catalysts using thermal analysis techniques. Thermochimica Acta, 1991, 185, 73-82. | 2.7 | 1 |
| 93 | Hydrotreatment of Light Cycle Oil by Competitive Catalysts. Bulletin Des Sociétés Chimiques Belges, 1991, 100, 887-895. | 0.0 | 1 |
| 94 | Ethylation of Ethylbenzene with Ethanol over Mordenite-Based Catalysts: Effects of Acidity, Desilication and Kinetics Analysis. International Journal of Chemical Reactor Engineering, 2014, 12, 487-496. | 1.1 | 1 |
| 95 | 25th Annual Saudi-Japan Symposium: Catalysts in Petroleum Refining and Petrochemicals, King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia, December 7–8, 2015. Catalysis Surveys From Asia, 2016, 20, 59-62. | 2.6 | 1 |
| 96 | Efficient conversion of light paraffinic naphtha to aromatics over metal-modified Mo/MFI catalysts. Journal of Porous Materials, 2022, 29, 683-692. | 2.6 | 1 |
| 97 | Meeting Report 24th Annual Saudi–Japan Symposium: Catalysts in Petroleum Refining & Petrochemicals, King Fahd University of Petroleum & Minerals, Dhahran, Saudi Arabia, December 1–2, 2014. Catalysis Surveys From Asia, 2015, 19, 57-60. | 2.6 | 0 |