List of Publications by Year in descending order

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ΙΙΛ-ΒΙΛΟ ΓΙΛΝ

| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Embedding partial sulfurization of iron–cobalt oxide nanoparticles into carbon nanofibers as an efficient electrode for theÂadvanced asymmetric supercapacitor. Tungsten, 2023, 5, 118-129. | 2.0 | 28 |
| 2 | Mesoporous silica anchored on reduced graphene oxide nanocomposite as anode for superior lithium-ion capacitor. Rare Metals, 2022, 41, 368-377. | 3.6 | 32 |
| 3 | Electrospun CoSe@NC nanofiber membrane as an effective polysulfides adsorption-catalysis interlayer for Li-S batteries. Chemical Engineering Journal, 2022, 430, 131911. | 6.6 | 43 |
| 4 | Insights into the efficient charge separation over Nb2O5/2D-C3N4 heterostructure for exceptional visible-light driven H2 evolution. Journal of Energy Chemistry, 2022, 65, 548-555. | 7.1 | 31 |
| 5 | Heterogeneous cobalt polysulfide leaf-like array/carbon nanofiber composites derived from zeolite imidazole framework for advanced asymmetric supercapacitors. Journal of Colloid and Interface Science, 2022, 606, 728-735. | 5.0 | 19 |
| 6 | Optimizing the microstructure of carbon nano-honeycombs for high-energy sodium-ion capacitor. Electrochimica Acta, 2022, 403, 139675. | 2.6 | 11 |
| 7 | Interfacial engineering for metal oxide/nitride nano-heterojunctions towards high-rate lithium-ion storage. Journal of Materials Chemistry A, 2022, 10, 7391-7398. | 5.2 | 18 |
| 8 | Sawdust-Derived Activated Carbon with Hierarchical Pores for High-Performance Symmetric Supercapacitors. Nanomaterials, 2022, 12, 810. | 1.9 | 17 |
| 9 | Gradually Anchoring N and Fe, Zn Atoms on Monodispersed Carbon Nanospheres: Their Contribution to the Oxygen Reduction Reaction under Analogous Structure. Industrial & Engineering Chemistry Research, 2022, 61, 7513-7522. | 1.8 | 2 |
| 10 | Nitrogen-doped porous carbon nanofoams with enhanced electrochemical kinetics for superior sodium-ion capacitor. Rare Metals, 2022, 41, 2481-2490. | 3.6 | 15 |
| 11 | Large-scale production of ultrathin carbon nitride-based photocatalysts for high-yield hydrogen evolution. Applied Catalysis B: Environmental, 2021, 281, 119475. | 10.8 | 84 |
| 12 | Amorphous MoS nanoparticles grown on cobalt-iron-based needle-like array for high-performance flexible asymmetric supercapacitor. Chemical Engineering Journal, 2021, 417, 127927. | 6.6 | 26 |
| 13 | In situ XRD and electrochemical investigation on a new intercalation-type anode for high-rate lithium ion capacitor. Journal of Energy Chemistry, 2021, 57, 109-117. | 7.1 | 25 |
| 14 | Operando mechanistic and dynamic studies of N/P co-doped hard carbon nanofibers for efficient sodium storage. Chemical Communications, 2021, 57, 9610-9613. | 2.2 | 24 |
| 15 | Oxygen vacancies boosted the electrochemical kinetics of Nb ₂ O _{5â^'<i>x</i>} for superior lithium storage. Chemical Communications, 2021, 57, 8182-8185. | 2.2 | 14 |
| 16 | Zinc-iron bimetallic-nitrogen doped porous carbon microspheres as efficient oxygen reduction electrocatalyst for zinc-air batteries. Applied Surface Science, 2021, 546, 148934. | 3.1 | 15 |
| 17 | Amorphous Bimetallic Phosphate–Carbon Precatalyst with Deep Self-Reconstruction toward Efficient Oxygen Evolution Reaction and Zn–Air Batteries. ACS Sustainable Chemistry and Engineering, 2021, 9, 5345-5355. | 3.2 | 22 |
| 18 | Rational Design of the CoS/Co ₉ S ₈ @NC Composite Enabling High-Rate Sodium-Ion Storage. ACS Applied Energy Materials, 2021, 4, 5574-5582. | 2.5 | 27 |

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|----|--|-----|-----------|
| 19 | A general strategy towards transition metal nitrides (TMNs)/rGO nanocomposites for superior lithium ion storage. Journal of Alloys and Compounds, 2021, 865, 158968. | 2.8 | 9 |
| 20 | Design of Nb2O5@rGO composites to optimize the lithium-ion storage performance. Journal of Alloys and Compounds, 2021, 865, 158824. | 2.8 | 23 |
| 21 | Development of porous carbon nanosheets from polyvinyl alcohol for sodium-ion capacitors. Chemical Engineering Journal, 2021, 415, 129012. | 6.6 | 28 |
| 22 | Facile Synthesis of Uniform Mesoporous Nb2O5 Micro-Flowers for Enhancing Photodegradation of Methyl Orange. Materials, 2021, 14, 3783. | 1.3 | 1 |
| 23 | Boosting the energy density of iron-cobalt oxide based hybrid supercapacitors by redox-additive electrolytes. Journal of Alloys and Compounds, 2021, 885, 160886. | 2.8 | 15 |
| 24 | Fe2TiO5 nanochains as anode for high-performance lithium-ion capacitor. Rare Metals, 2021, 40, 2424-2431. | 3.6 | 41 |
| 25 | Porous <i>α</i> -Fe ₂ O ₃ nanoparticles encapsulated within reduced graphene oxide as superior anode for lithium-ion battery. Nanotechnology, 2020, 31, 145404. | 1.3 | 21 |
| 26 | A microporous carbon derived from metalâ€organic frameworks for longâ€life lithium sulfur batteries. International Journal of Energy Research, 2020, 44, 2126-2136. | 2.2 | 11 |
| 27 | Roselle-like Zn2Ti3O8/rGO nanocomposite as anode for lithium ion capacitor. Chemical Engineering Journal, 2020, 385, 123881. | 6.6 | 31 |
| 28 | Graphene Oxide-Loaded SnO ₂ Quantum Wires with Sub-4 Nanometer Diameters for Low-Temperature H ₂ S Gas Sensing. ACS Applied Nano Materials, 2020, 3, 6385-6393. | 2.4 | 25 |
| 29 | Oxygenâ€Ðefective TiNb ₂ O _{7â€} <i>_x</i> Nanochains with Enlarged Lattice Spacing for Highâ€Rate Lithium Ion Capacitor. Advanced Materials Interfaces, 2020, 7, 2000705. | 1.9 | 25 |
| 30 | Molten salt "boiling―synthesis of surface decorated bimetallic-nitrogen doped carbon hollow nanospheres: An oxygen reduction catalyst with dense active sites and high stability. Chemical Engineering Journal, 2020, 395, 125064. | 6.6 | 24 |
| 31 | Smart in situ construction of NiS/MoS2 composite nanosheets with ultrahigh specific capacity for high-performance asymmetric supercapacitor. Journal of Alloys and Compounds, 2019, 811, 151915. | 2.8 | 39 |
| 32 | MnCo ₂ S ₄ /FeCo ₂ S ₄ "lollipop―arrays on a hollow N-doped carbon skeleton as flexible electrodes for hybrid supercapacitors. Journal of Materials Chemistry A, 2019, 7, 20778-20789. | 5.2 | 63 |
| 33 | Multiple Active Sites of Carbon for Highâ€Rate Surfaceâ€Capacitive Sodiumâ€Ion Storage. Angewandte Chemie - International Edition, 2019, 58, 13584-13589. | 7.2 | 98 |
| 34 | Multiple Active Sites of Carbon for Highâ€Rate Surfaceâ€Capacitive Sodiumâ€lon Storage. Angewandte Chemie, 2019, 131, 13718-13723. | 1.6 | 28 |
| 35 | Advanced asymmetric supercapacitor based on molybdenum trioxide decorated nickel cobalt oxide nanosheets and three-dimensional α-FeOOH/rGO. Electrochimica Acta, 2019, 320, 134580. | 2.6 | 28 |
| 36 | Controllable synthesis of uniform mesoporous H-Nb ₂ O ₅ /rGO nanocomposites for advanced lithium ion hybrid supercapacitors. Journal of Materials Chemistry A, 2019, 7, 693-703. | 5.2 | 86 |

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|----|---|------|-----------|
| 37 | Construction of cobaltous oxide/nickel–iron oxide electrodes with great cycle stability and high energy density for advanced asymmetry supercapacitor. Journal of Materials Science: Materials in Electronics, 2019, 30, 21219-21228. | 1.1 | 7 |
| 38 | Crafting nanosheet-built MnCo2S4 disks on robust N-doped carbon matrix for hybrid supercapacitors. Electrochimica Acta, 2019, 323, 134770. | 2.6 | 23 |
| 39 | Porous Nb ₄ N ₅ /rGO Nanocomposite for Ultrahigh-Energy-Density Lithium-Ion Hybrid Capacitor. ACS Applied Materials & Interfaces, 2019, 11, 24114-24121. | 4.0 | 31 |
| 40 | Metallic cobalt nanoparticles embedded in sulfur and nitrogen co-doped rambutan-like nanocarbons for the oxygen reduction reaction under both acidic and alkaline conditions. Journal of Materials Chemistry A, 2019, 7, 14291-14301. | 5.2 | 37 |
| 41 | Sonochemical assisted fabrication of 3D hierarchical porous carbon for high-performance symmetric supercapacitor. Ultrasonics Sonochemistry, 2019, 58, 104617. | 3.8 | 24 |
| 42 | Preparation of mesoporous ZnAl2O4 nanoflakes by ion exchange from a Na-dawsonite parent material in the presence of an ionic liquid. RSC Advances, 2019, 9, 11894-11900. | 1.7 | 4 |
| 43 | Integrating the merits of two-dimensional structure and heteroatom modification into semiconductor photocatalyst to boost NO removal. Chemical Engineering Journal, 2019, 370, 944-951. | 6.6 | 54 |
| 44 | Superior carbon belts from <i>Spirogyra</i> for efficient extracellular electron transfer and sustainable microbial energy harvesting. Journal of Materials Chemistry A, 2019, 7, 6930-6938. | 5.2 | 33 |
| 45 | Rambutanâ€Inspired Yolkâ€5hell Silica@Carbon Frameworks from Biomass for Longâ€Life Anode Materials. ChemistrySelect, 2019, 4, 14075-14081. | 0.7 | 5 |
| 46 | Construction of MnO2/Monolayer g-C3N4 with Mn vacancies for Z-scheme overall water splitting. Applied Catalysis B: Environmental, 2019, 241, 452-460. | 10.8 | 252 |
| 47 | Lawn-like FeCo2S4 hollow nanoneedle arrays on flexible carbon nanofiber film as binder-free electrodes for high-performance asymmetric pseudocapacitors. Journal of Alloys and Compounds, 2019, 772, 337-347. | 2.8 | 52 |
| 48 | Highly Efficient Adsorption of Oils and Pollutants by Porous Ultrathin Oxygen-Modified BCN Nanosheets. ACS Sustainable Chemistry and Engineering, 2019, 7, 3234-3242. | 3.2 | 14 |
| 49 | Pseudocapacitive performance of binder-free nanostructured TT-Nb ₂ O ₅ /FTO electrode in aqueous electrolyte. Nanotechnology, 2019, 30, 025401. | 1.3 | 7 |
| 50 | NiMoO ₄ nanorod deposited carbon sponges with ant-nest-like interior channels for high-performance pseudocapacitors. Inorganic Chemistry Frontiers, 2018, 5, 1594-1601. | 3.0 | 31 |
| 51 | Controlled growth of ultrathin NiMoO4 nanosheets on carbon nanofiber membrane as advanced electrodes for asymmetric supercapacitors. Journal of Alloys and Compounds, 2018, 753, 176-185. | 2.8 | 40 |
| 52 | Hexamethylenetetramine-assisted hydrothermal synthesis of octahedral nickel ferrite oxide nanocrystallines with excellent supercapacitive performance. Journal of Materials Science, 2018, 53, 7621-7636. | 1.7 | 63 |
| 53 | 3D hierarchical CMF/MoSe2 composite foam as highly efficient electrocatalyst for hydrogen evolution. Electrochimica Acta, 2018, 263, 94-101. | 2.6 | 30 |
| 54 | Defect-rich N-doped porous carbon derived from soybean for high rate lithium-ion batteries. Applied Surface Science, 2018, 451, 298-305. | 3.1 | 60 |

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|----|--|------|-----------|
| 55 | Rational construction of a 3D hierarchical NiCo ₂ O ₄ /PANI/MF composite foam as a high-performance electrode for asymmetric supercapacitors. Chemical Communications, 2018, 54, 4160-4163. | 2.2 | 56 |
| 56 | Facile preparation of monolayer NiO thin film for high performance THF sensor. Journal of the Chinese Advanced Materials Society, 2018, 6, 1-7. | 0.7 | 1 |
| 57 | Construction of molybdenum dioxide nanosheets coated on the surface of nickel ferrite nanocrystals with ultrahigh specific capacity for hybrid supercapacitor. Electrochimica Acta, 2018, 260, 439-448. | 2.6 | 27 |
| 58 | Size controllable preparation of sphere-based monolayer CdS thin films for white-light photodetectors. Ceramics International, 2018, 44, 2407-2412. | 2.3 | 20 |
| 59 | Tip-welded ferric-cobalt sulfide hollow nanoneedles on highly conductive carbon fibers for advanced asymmetric supercapacitors. Electrochimica Acta, 2018, 292, 157-167. | 2.6 | 10 |
| 60 | Hierarchical FeCo ₂ S ₄ Nanotube Arrays Deposited on 3D Carbon Foam as Binderâ€free Electrodes for Highâ€performance Asymmetric Pseudocapacitors. Chemistry - an Asian Journal, 2018, 13, 3212-3221. | 1.7 | 24 |
| 61 | Fully Stretchable and Humidity-Resistant Quantum Dot Gas Sensors. ACS Sensors, 2018, 3, 1048-1055. | 4.0 | 63 |
| 62 | Interfacial self-assembly of monolayer Mg-doped NiO honeycomb structured thin film with enhanced performance for gas sensing. Journal of Materials Science: Materials in Electronics, 2018, 29, 11498-11508. | 1.1 | 18 |
| 63 | Non-metal photocatalyst nitrogen-doped carbon nanotubes modified mpg-C3N4: facile synthesis and the enhanced visible-light photocatalytic activity. Journal of Colloid and Interface Science, 2017, 494, 38-46. | 5.0 | 74 |
| 64 | Facile preparation of TiO2/C3N4 hybrid materials with enhanced capacitive properties for high performance supercapacitors. Journal of Alloys and Compounds, 2017, 702, 178-185. | 2.8 | 66 |
| 65 | Graphene quantum dots modified mesoporous graphite carbon nitride with significant enhancement of photocatalytic activity. Applied Catalysis B: Environmental, 2017, 207, 429-437. | 10.8 | 238 |
| 66 | Morphology controlled preparation of ZnCo 2 O 4 nanostructures for asymmetric supercapacitor with ultrahigh energy density. Energy, 2017, 123, 296-304. | 4.5 | 177 |
| 67 | Design of 3D WO ₃ /h-BN nanocomposites for efficient visible-light-driven photocatalysis. RSC Advances, 2017, 7, 25160-25170. | 1.7 | 31 |
| 68 | Nickel–cobalt-layered double hydroxide nanosheet arrays on Ni foam as a bifunctional electrocatalyst for overall water splitting. Dalton Transactions, 2017, 46, 8372-8376. | 1.6 | 120 |
| 69 | Kinetics and mechanism of enhanced photocatalytic activity employing ZnS nanospheres/graphene-like C3N4. Molecular Catalysis, 2017, 438, 103-112. | 1.0 | 18 |
| 70 | Controllable Synthesis of Ultrathin NiCo ₂ O ₄ Nanosheets Incorporated onto Composite Nanotubes for Efficient Oxygen Reduction. Chemistry - an Asian Journal, 2017, 12, 2426-2433. | 1.7 | 13 |
| 71 | Facile preparation of NiFe2O4/MoS2 composite material with synergistic effect for high performance supercapacitor. Journal of Alloys and Compounds, 2017, 726, 608-617. | 2.8 | 83 |
| 72 | Low-crystalline mesoporous CoFe ₂ O ₄ /C composite with oxygen vacancies for high energy density asymmetric supercapacitors. RSC Advances, 2017, 7, 55513-55522. | 1.7 | 55 |

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| 73 | Enhancing charge density and steering charge unidirectional flow in 2D non-metallic semiconductor-CNTs-metal coupled photocatalyst for solar energy conversion. Applied Catalysis B: Environmental, 2017, 202, 112-117. | 10.8 | 71 |
| 74 | Novel Synthesis Strategy of Î ³ -AlOOH Nanotubes: Coupling Reaction via Ionic Liquid-Assisted Hydrothermal Route. Crystal Growth and Design, 2016, 16, 6139-6143. | 1.4 | 10 |
| 75 | g ₃ N ₄ /TiO ₂ Nanocomposites for Degradation of Ciprofloxacin under Visible Light Irradiation. ChemistrySelect, 2016, 1, 5679-5685. | 0.7 | 50 |
| 76 | High-performance flexible photodetectors based on single-crystalline Sb ₂ Se ₃ nanowires. RSC Advances, 2016, 6, 11501-11506. | 1.7 | 43 |
| 77 | Facile synthesis of hematite nanoparticles and nanocubes and their shape-dependent optical properties. New Journal of Chemistry, 2014, 38, 46-49. | 1.4 | 45 |
| 78 | The art of using ionic liquids in the synthesis of inorganic nanomaterials. CrystEngComm, 2014, 16, 2550. | 1.3 | 146 |
| 79 | Magnetic Properties of <scp><scp>Al</scp></scp> â€doped <scp><scp>B</scp></scp> ₄ <scp><<scp>C</scp> and <scp><scp>SiC</scp></scp> Ceramics. Journal of the American Ceramic Society, 2013, 96, 3494-3499.</scp> | 1.9 | 3 |
| 80 | Mesoporous (ZnO)x(MgO)1â^'x nanoplates: template-free solvothermal synthesis, optical properties, and their applications in water treatment. Nanoscale, 2013, 5, 11672. | 2.8 | 31 |
| 81 | Spin-glass behavior in Al-doped B4C. Physica B: Condensed Matter, 2013, 429, 38-41. | 1.3 | 1 |
| 82 | Catalytic Activity of Biomorphic α-MoO3 in the Degradation of Methyl Violet Dye. Environmental Engineering Science, 2012, 29, 860-865. | 0.8 | 3 |
| 83 | Templateâ€Free Hydrothermal Synthesis of Mesoporous MgO Nanostructures and Their Applications in Water Treatment. Chemistry - an Asian Journal, 2012, 7, 2650-2655. | 1.7 | 15 |
| 84 | NiO nanomaterials: controlled fabrication, formation mechanism and the application in lithium-ion battery. CrystEngComm, 2012, 14, 453-459. | 1.3 | 79 |
| 85 | Porous platelike hematite mesocrystals: synthesis, catalytic and gas-sensing applications. Journal of Materials Chemistry, 2012, 22, 11694. | 6.7 | 109 |
| 86 | Template-free solvothermal synthesis of ZnO nanoparticles with controllable size and their size-dependent optical properties. Materials Letters, 2012, 66, 318-320. | 1.3 | 25 |
| 87 | Ionothermal synthesis of aggregated α-Fe2O3 nanoplates and their magnetic properties. Nanoscale, 2011, 3, 4372. | 2.8 | 45 |
| 88 | Topochemical Preparation of WO ₃ Nanoplates through Precursor H ₂ WO ₄ and Their Gas-Sensing Performances. Journal of Physical Chemistry C, 2011, 115, 18157-18163. | 1,5 | 137 |
| 89 | Superior gas-sensing and lithium-storage performance SnO2 nanocrystals synthesized by hydrothermal method. CrystEngComm, 2011, 13, 6077. | 1.3 | 45 |
| 90 | Growth of tellurium nanowire bundles from an ionic liquid precursor. CrystEngComm, 2011, 13, 2774. | 1.3 | 17 |

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| 91 | Bi2S3 nanomaterials: morphology manipulation and related properties. Dalton Transactions, 2011, 40, 10100. | 1.6 | 66 |
| 92 | lonic liquids-assisted synthesis and electrochemical properties of Bi2S3 nanostructures. CrystEngComm, 2011, 13, 3072. | 1.3 | 85 |
| 93 | Template-free hydrothermal synthesis of hexagonal ZnO micro-cups and micro-rings assembled by nanoparticles. CrystEngComm, 2011, 13, 4820. | 1.3 | 39 |
| 94 | One-dimensional Sb2Se3 nanostructures: solvothermal synthesis, growth mechanism, optical and electrochemical properties. CrystEngComm, 2011, 13, 2369. | 1.3 | 69 |
| 95 | α-Fe ₂ O ₃ : Hydrothermal Synthesis, Magnetic and Electrochemical Properties. Journal of Physical Chemistry C, 2010, 114, 10671-10676. | 1.5 | 192 |
| 96 | lonic liquidâ€assisted hydrothermal synthesis of γâ€Al ₂ O ₃ hierarchical nanostructures. Crystal Research and Technology, 2010, 45, 767-770. | 0.6 | 8 |
| 97 | Sb ₂ S ₃ with Various Nanostructures: Controllable Synthesis, Formation Mechanism, and Electrochemical Performance toward Lithium Storage. Chemistry - A European Journal, 2010, 16, 13210-13217. | 1.7 | 84 |
| 98 | One-step ionothermal synthesis of γ-Al2O3 mesoporous nanoflakes at low temperature. Chemical Communications, 2010, 46, 2650. | 2.2 | 78 |
| 99 | Morphology Controllable Synthesis of γ-Alumina Nanostructures via an Ionic Liquid-Assisted Hydrothermal Route. Crystal Growth and Design, 2010, 10, 2928-2933. | 1.4 | 82 |
| 100 | Ionothermal Synthesis of BiOCl Nanostructures via a Long-Chain Ionic Liquid Precursor Route. Crystal Growth and Design, 2010, 10, 2522-2527. | 1.4 | 122 |
| 101 | Ionic liquid-modulated synthesis of ferrimagnetic Fe3S4 hierarchical superstructures. Chemical Communications, 2010, 46, 5006. | 2.2 | 45 |
| 102 | Ionothermal Synthesis of BiOCl Nanostructures via a Long-Chain Ionic Liquid Precursor Route. Crystal Growth and Design, 2010, 10, 4668-4668. | 1.4 | 9 |
| 103 | A novel surfactant-free route to MnCO3 steep rhombohedra crystals and their large-scale assembly into regular elongated patterns in a mixed solvent. Chemical Communications, 2010, 46, 7133. | 2.2 | 20 |
| 104 | Shape-Controlled Synthesis of Metal Carbonate Nanostructure via Ionic Liquid-Assisted Hydrothermal Route: The Case of Manganese Carbonate. Crystal Growth and Design, 2010, 10, 4449-4455. | 1.4 | 77 |
| 105 | Inorganic and organic templatesâ€assisted solvothermal synthesis of trigonal selenium microrods. Crystal Research and Technology, 2009, 44, 391-394. | 0.6 | 3 |
| 106 | Synthesis of Zinc Hydroxyfluoride Nanofibers through an Ionic Liquid Assisted Microwave Irradiation Method. European Journal of Inorganic Chemistry, 2009, 2009, 2897-2900. | 1.0 | 46 |
| 107 | Controlled Synthesis of One-Dimensional Sb ₂ Se ₃ Nanostructures and Their Electrochemical Properties. Journal of Physical Chemistry C, 2009, 113, 13588-13592. | 1.5 | 120 |
| 108 | Ionothermal Synthesis of Turbostratic Boron Nitride Nanoflakes at Low Temperature. Journal of Physical Chemistry C, 2009, 113, 9135-9140. | 1.5 | 58 |

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| 109 | Hematite (α-Fe ₂ O ₃) with Various Morphologies: Ionic Liquid-Assisted Synthesis, Formation Mechanism, and Properties. ACS Nano, 2009, 3, 3749-3761. | 7.3 | 476 |