# Cuong Pham-Huu

List of Publications by Year
in descending order

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| 202 | 9,345 | 28242 | 53190 |
|---|---|---|---|
| papers | citations | 55 h-index | 85 g-index |

| 205 | 205 | 205 | 9394 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Pd nanoparticles introduced inside multi-walled carbon nanotubes for selective hydrogenation of cinnamaldehyde into hydrocinnamaldehyde. Applied Catalysis A: General, 2005, 288, 203-210. | 2.2 | 258 |
| 2 | The First Preparation of Silicon Carbide Nanotubes by Shape Memory Synthesis and Their Catalytic Potential. Journal of Catalysis, 2001, 200, 400-410. | 3.1 | 225 |
| 3 | Silicon Carbide: A Novel Catalyst Support for Heterogeneous Catalysis. Cattech, 2001, 5, 226-246. | 2.6 | 219 |
| 4 | Physical characterization of molybdenum oxycarbide catalyst; TEM, XRD and XPS. Catalysis Today, 1995, 23, 251-267. | 2.2 | 202 |
| 5 | Tuning of nitrogen-doped carbon nanotubes as catalyst support for liquid-phase reaction. Applied Catalysis A: General, 2010, 380, 72-80. | 2.2 | 196 |
| 6 | Electrical Transport Measured in Atomic Carbon Chains. Nano Letters, 2013, 13, 3487-3493. | 4.5 | 192 |
| 7 | Selective Deposition of Metal Nanoparticles Inside or Outside Multiwalled Carbon Nanotubes. ACS Nano, 2009, 3, 2081-2089. | 7.3 | 175 |
| 8 | Carbon nanofiber supported palladium catalyst for liquid-phase reactions. Journal of Molecular Catalysis A, 2001, 170, 155-163. | 4.8 | 168 |
| 9 | Nitrogenâ€Doped Carbon Nanotubes as a Highly Active Metalâ€Free Catalyst for Selective Oxidation. ChemSusChem, 2012, 5, 102-108. | 3.6 | 162 |
| 10 | Methane dehydro-aromatization on Mo/ZSM-5: About the hidden role of BrÃ¸nsted acid sites. Applied Catalysis A: General, 2008, 336, 79-88. | 2.2 | 151 |
| 11 | Graphene Growth by a Metal-Catalyzed Solid-State Transformation of Amorphous Carbon. ACS Nano, 2011, 5, 1529-1534. | 7.3 | 151 |
| 12 | Silicon carbide foam composite containing cobalt as a highly selective and re-usable Fischerâ€“Tropsch synthesis catalyst. Applied Catalysis A: General, 2011, 397, 62-72. | 2.2 | 140 |
| 13 | Synthesis and catalytic uses of carbon and silicon carbide nanostructures. Catalysis Today, 2002, 76, 11-32. | 2.2 | 138 |
| 14 | Synthesis and characterisation of medium surface area silicon carbide nanotubes. Carbon, 2003, 41, 2131-2139. | 5.4 | 123 |
| 15 | Microwave synthesis of large few-layer graphene sheets in aqueous solution of ammonia. Nano Research, 2010, 3, 126-137. | 5.8 | 123 |
| 16 | Isomerization of n-Heptane on an Oxygen-Modified Molybdenum Carbide Catalyst. Industrial & Engineering Chemistry Research, 1994, 33, 1657-1664. | 1.8 | 122 |
| 17 | Induction Heating: An Enabling Technology for the Heat Management in Catalytic Processes. ACS Catalysis, 2019, 9, 7921-7935. | 5.5 | 120 |
| 18 | Mesoporous carbon nanotubes for use as support in catalysis and as nanosized reactors for one-dimensional inorganic material synthesis. Applied Catalysis A: General, 2003, 254, 345-363. | 2.2 | 117 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | New catalytic phenomena on nanostructured (fibers and tubes) catalysts. Journal of Catalysis, 2003, 216, 333-342. | 3.1 | 115 |
| 20 | Chemically Functionalized Carbon Nanotubes with Pyridine Groups as Easily Tunable N-Decorated Nanomaterials for the Oxygen Reduction Reaction in Alkaline Medium. Chemistry of Materials, 2014, 26, 3460-3470. | 3.2 | 107 |
| 21 | Large scale synthesis of carbon nanofibers by catalytic decomposition of ethane on nickel nanoclusters decorating carbon nanotubes. Physical Chemistry Chemical Physics, 2002, 4, 514-521. | 1.3 | 106 |
| 22 | Highâ€Ðensity and Thermally Stable Palladium Singleâ€Atom Catalysts for Chemoselective Hydrogenations. Angewandte Chemie - International Edition, 2020, 59, 21613-21619. | 7.2 | 103 |
| 23 | Quantitative Measurement of the BrÃ¶nsted Acid Sites in Solid Acids:Â Toward a Single-Site Design of Mo-Modified ZSM-5 Zeolite. Journal of Physical Chemistry B, 2006, 110, 10390-10395. | 1.2 | 100 |
| 24 | Microstructure and Characterization of a Highly Selective Catalyst for the Isomerization of Alkanes: A Molybdenum Oxycarbide. Journal of Catalysis, 2000, 190, 92-103. | 3.1 | 99 |
| 25 | 3D Electron Microscopy Study of Metal Particles Inside Multiwalled Carbon Nanotubes. Nano Letters, 2007, 7, 1898-1907. | 4.5 | 99 |
| 26 | C2H6 as an active carbon source for a large scale synthesis of carbon nanotubes by chemical vapour deposition. Applied Catalysis A: General, 2005, 279, 89-97. | 2.2 | 98 |
| 27 | Design of Covalently Functionalized Carbon Nanotubes Filled with Metal Oxide Nanoparticles for Imaging, Therapy, and Magnetic Manipulation. ACS Nano, 2014, 8, 11290-11304. | 7.3 | 96 |
| 28 | N-doped carbon nanotubes for liquid-phase CC bond hydrogenation. Catalysis Today, 2008, 138, 62-68. | 2.2 | 92 |
| 29 | Titania-Decorated Silicon Carbide-Containing Cobalt Catalyst for Fischerâ€“Tropsch Synthesis. ACS Catalysis, 2013, 3, 393-404. | 5.5 | 92 |
| 30 | Silicon carbide foam as a porous support platform for catalytic applications. New Journal of Chemistry, 2016, 40, 4285-4299. | 1.4 | 92 |
| 31 | Continuous process for selective oxidation of H2S over SiC-supported iron catalysts into elemental sulfur above its dewpoint. Applied Catalysis A: General, 2001, 217, 205-217. | 2.2 | 87 |
| 32 | 3D Analysis of the Morphology and Spatial Distribution of Nitrogen in Nitrogen-Doped Carbon Nanotubes by Energy-Filtered Transmission Electron Microscopy Tomography. Journal of the American Chemical Society, 2012, 134, 9672-9680. | 6.6 | 87 |
| 33 | About the octopus-like growth mechanism of carbon nanofibers over graphite supported nickel catalyst. Journal of Catalysis, 2006, 240, 194-202. | 3.1 | 86 |
| 34 | Fischerâ€“Tropsch Reaction on a Thermally Conductive and Reusable Silicon Carbide Support. ChemSusChem, 2014, 7, 1218-1239. | 3.6 | 82 |
| 35 | High-Yield Butane to Maleic Anhydride Direct Oxidation on Vanadyl Pyrophosphate Supported on Heat-Conductive Materials: Î²-SiC, Si3N4, and BN. Journal of Catalysis, 2001, 203, 495-508. | 3.1 | 81 |
| 36 | Effect of structure and thermal properties of a Fischerâ€“Tropsch catalyst in a fixed bed. Catalysis Today, 2009, 147, S305-S312. | 2.2 | 79 |

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|---|---|---|---|
| 37 | Influence of the zeolite synthesis route on its catalytic properties in the methanol to olefin reaction. Journal of Catalysis, 2009, 265, 1-7. | 3.1 | 75 |
| 38 | Using Ordered Carbon Nanomaterials for Shedding Light on the Mechanism of the Cathodic Oxygen Reduction Reaction. Langmuir, 2011, 27, 9018-9027. | 1.6 | 73 |
| 39 | N-Doped Food-Grade-Derived 3D Mesoporous Foams as Metal-Free Systems for Catalysis. ACS Catalysis, 2016, 6, 1408-1419. | 5.5 | 73 |
| 40 | Unraveling Surface Basicity and Bulk Morphology Relationship on Covalent Triazine Frameworks with Unique Catalytic and Gas Adsorption Properties. Advanced Functional Materials, 2017, 27, 1605672. | 7.8 | 72 |
| 41 | Experimental measurements and multiphase flow models in solid SiC foam beds. AICHE Journal, 2008, 54, 2823-2832. | 1.8 | 69 |
| 42 | Synthesis of porous carbon nanotubes foam composites with a high accessible surface area and tunable porosity. Journal of Materials Chemistry A, 2013, 1, 9508. | 5.2 | 69 |
| 43 | Direct oxidation of H2S into S. New catalysts and processes based on SiC support. Catalysis Today, 1999, 53, 535-542. | 2.2 | 68 |
| 44 | Autoassembly of Nanofibrous Zeolite Crystals via Silicon Carbide Substrate Self-Transformation. Journal of the American Chemical Society, 2007, 129, 3383-3391. | 6.6 | 66 |
| 45 | A few-layer grapheneâ€“graphene oxide composite containing nanodiamonds as metal-free catalysts. Journal of Materials Chemistry A, 2014, 2, 11349-11357. | 5.2 | 63 |
| 46 | High surface area silicon carbide doped with zirconium for use as catalyst support. Preparation, characterization and catalytic application. Applied Catalysis A: General, 1999, 180, 385-397. | 2.2 | 62 |
| 47 | Defect enriched N-doped carbon nanoflakes as robust carbocatalysts for H<sub>2</sub>S selective oxidation. Journal of Materials Chemistry A, 2020, 8, 8892-8902. | 5.2 | 62 |
| 48 | Synthesis and characterisation of carbon nanofibres with macroscopic shaping formed by catalytic decomposition of C2H6/H2 over nickel catalyst. Applied Catalysis A: General, 2004, 274, 1-8. | 2.2 | 61 |
| 49 | Aziridine-Functionalized Multiwalled Carbon Nanotubes: Robust and Versatile Catalysts for the Oxygen Reduction Reaction and Knoevenagel Condensation. ACS Applied Materials & Interfaces, 2016, 8, 30099-30106. | 4.0 | 61 |
| 50 | Porous Silicon Carbide (SiC): A Chance for Improving Catalysts or Just Another Active-Phase Carrier?. Chemical Reviews, 2021, 121, 10559-10665. | 23.0 | 61 |
| 51 | Synthesis and Characterization of High Specific Surface Area Vanadium Carbide; Application to Catalytic Oxidation. Journal of Catalysis, 1997, 169, 33-44. | 3.1 | 59 |
| 52 | Macroscopically shaped monolith of nanodiamonds @ nitrogen-enriched mesoporous carbon decorated SiC as a superior metal-free catalyst for the styrene production. Applied Catalysis B: Environmental, 2017, 200, 343-350. | 10.8 | 59 |
| 53 | Preparation and characterization of SiC microtubes. Applied Catalysis A: General, 1999, 187, 255-268. | 2.2 | 58 |
| 54 | Carbon nanotubes containing oxygenated decorating defects as metal-free catalyst for selective oxidation of H2S. Applied Catalysis B: Environmental, 2016, 191, 29-41. | 10.8 | 58 |

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|---|---|---|---|
| 55 | Catalytic unzipping of carbon nanotubes to few-layer graphene sheets under microwaves irradiation. Applied Catalysis A: General, 2009, 371, 22-30. | 2.2 | 57 |
| 56 | Identify Zr Promotion Effects in Atomic Scale for Co-Based Catalysts in Fischerâ€“Tropsch Synthesis. ACS Catalysis, 2020, 10, 7894-7906. | 5.5 | 57 |
| 57 | Carbon nanomaterials with controlled macroscopic shapes as new catalytic materials. Topics in Catalysis, 2006, 40, 49-63. | 1.3 | 55 |
| 58 | High performance structured platelet milli-reactor filled with supported cobalt open cell SiC foam catalyst for the Fischerâ€“Tropsch synthesis. Chemical Engineering Journal, 2013, 222, 265-273. | 6.6 | 54 |
| 59 | Hybrid Films of Graphene and Carbon Nanotubes for High Performance Chemical and Temperature Sensing Applications. Small, 2015, 11, 3485-3493. | 5.2 | 54 |
| 60 | Macroscopic nanodiamonds/Î²-SiC composite as metal-free catalysts for steam-free dehydrogenation of ethylbenzene to styrene. Applied Catalysis A: General, 2015, 499, 217-226. | 2.2 | 53 |
| 61 | Nitrogen-doped carbon nanotubes decorated silicon carbide as a metal-free catalyst for partial oxidation of H2S. Applied Catalysis A: General, 2014, 482, 397-406. | 2.2 | 52 |
| 62 | Microstructural Investigation of Magnetic CoFe2O4Nanowires inside Carbon Nanotubes by Electron Tomography. Nano Letters, 2008, 8, 1033-1040. | 4.5 | 50 |
| 63 | High-Density Monodispersed Cobalt Nanoparticles Filled into Multiwalled Carbon Nanotubes. Chemistry of Materials, 2012, 24, 1549-1551. | 3.2 | 50 |
| 64 | Selective oxidation of H2S in Claus tail-gas over SiC supported NiS2 catalyst. Catalysis Today, 2000, 61, 157-163. | 2.2 | 49 |
| 65 | Oneâ€Pot Synthesis of a Nitrogenâ€Doped Carbon Composite by Electrospinning as a Metalâ€Free Catalyst for Oxidation of H<sub>2</sub>S to Sulfur. ChemCatChem, 2015, 7, 2957-2964. | 1.8 | 48 |
| 66 | Hierarchical porous carbon fibers/carbon nanofibers monolith from electrospinning/CVD processes as a high effective surface area support platform. Journal of Materials Chemistry A, 2017, 5, 2151-2162. | 5.2 | 48 |
| 67 | On the Evolution of Pt Nanoparticles on Few-Layer Graphene Supports in the High-Temperature Range. Journal of Physical Chemistry C, 2012, 116, 9274-9282. | 1.5 | 47 |
| 68 | Few layer graphene decorated with homogeneous magnetic Fe3O4 nanoparticles with tunable covering densities. Journal of Materials Chemistry A, 2014, 2, 2690. | 5.2 | 45 |
| 69 | Nanodiamond decorated few-layer graphene composite as an efficient metal-free dehydrogenation catalyst for styrene production. Catalysis Today, 2015, 249, 167-175. | 2.2 | 45 |
| 70 | Effect of the reaction temperature and hydrocarbon partial pressure on the activity of carbon-modified MoO3 for n-hexane isomerization. Applied Catalysis A: General, 1997, 149, 151-180. | 2.2 | 44 |
| 71 | A highly N-doped carbon phase â€œdressingâ€•of macroscopic supports for catalytic applications. Chemical Communications, 2015, 51, 14393-14396. | 2.2 | 43 |
| 72 | N-Doped 3D Mesoporous Carbon/Carbon Nanotubes Monolithic Catalyst for H<sub>2</sub>S Selective Oxidation. ACS Applied Nano Materials, 2019, 2, 3780-3792. | 2.4 | 43 |

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|---|---|---|---|
| 73 | Hydrazine decomposition over iridium supported on carbon nanofibers composite for space applications: near actual flight conditions tests. Applied Catalysis A: General, 2005, 279, 35-40. | 2.2 | 42 |
| 74 | Structured silica reactor with aligned carbon nanotubes as catalyst support for liquid-phase reaction. Journal of Molecular Catalysis A, 2007, 267, 92-97. | 4.8 | 42 |
| 75 | 3D solid carbon foam-based photocatalytic materials for vapor phase flow-through structured photoreactors. Applied Catalysis A: General, 2010, 382, 122-130. | 2.2 | 42 |
| 76 | Nickel Nanoparticles Decorated Nitrogen-Doped Carbon Nanotubes (Ni/N-CNT); a Robust Catalyst for the Efficient and Selective CO<sub>2</sub> Methanation. ACS Applied Energy Materials, 2019, 2, 1111-1120. | 2.5 | 42 |
| 77 | Catalysis with carbides. Current Opinion in Solid State and Materials Science, 1996, 1, 96-100. | 5.6 | 41 |
| 78 | Part I. n-Butane dehydrogenation on unsupported carbon modified MoO3 (MoOxCy): effect of steam on the catalyst stability. Applied Catalysis A: General, 1999, 181, 157-170. | 2.2 | 41 |
| 79 | Fe2O3/Î²-SiC: A new high efficient catalyst for the selective oxidation of H2S into elemental sulfur. Catalysis Today, 2009, 141, 397-402. | 2.2 | 41 |
| 80 | UV-A photocatalytic treatment of Legionella pneumophila bacteria contaminated airflows through three-dimensional solid foam structured photocatalytic reactors. Journal of Hazardous Materials, 2010, 175, 372-381. | 6.5 | 41 |
| 81 | Low temperature use of SiC-supported NiS2-based catalysts for selective H2S oxidation. Applied Catalysis A: General, 2002, 234, 191-205. | 2.2 | 40 |
| 82 | Beta zeolite supported on a Î²-SiC foam monolith: A diffusionless catalyst for fixed-bed Friedelâ€“Crafts reactions. Journal of Molecular Catalysis A, 2006, 248, 113-120. | 4.8 | 40 |
| 83 | Hybrid layer-by-layer composites based on a conducting polyelectrolyte and Fe<sub>3</sub>O<sub>4</sub> nanostructures grafted onto graphene for supercapacitor application. Journal of Materials Chemistry A, 2015, 3, 22877-22885. | 5.2 | 40 |
| 84 | Mesoporous carbon doped with N,S heteroatoms prepared by one-pot auto-assembly of molecular precursor for electrocatalytic hydrogen peroxide synthesis. Catalysis Today, 2018, 301, 2-10. | 2.2 | 40 |
| 85 | 1D SiC decoration of SiC macroscopic shapes for filtration devices. Journal of Materials Chemistry, 2008, 18, 4654. | 6.7 | 39 |
| 86 | Few-layer graphene supporting palladium nanoparticles with a fully accessible effective surface for liquid-phase hydrogenation reaction. Catalysis Today, 2012, 189, 77-82. | 2.2 | 38 |
| 87 | Molybdenum oxycarbide isomerization catalysts for cleaner fuel production. Catalysis Today, 1996, 27, 145-150. | 2.2 | 37 |
| 88 | Efficient hierarchically structured composites containing cobalt catalyst for clean synthetic fuel production from Fischerâ€“Tropsch synthesis. Journal of Catalysis, 2014, 318, 179-192. | 3.1 | 37 |
| 89 | Oxidative dehydrogenation of 9,10-dihydroanthracene using multi-walled carbon nanotubes. Journal of Molecular Catalysis A, 2009, 302, 119-123. | 4.8 | 36 |
| 90 | Biosourced Foamâ€Like Activated Carbon Materials as Highâ€Performance Supercapacitors. Advanced Sustainable Systems, 2018, 2, 1700123. | 2.7 | 36 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Pressure drop measurements and hydrodynamic model description of SiC foam composites decorated with SiC nanofiber. Catalysis Today, 2009, 141, 403-408. | 2.2 | 35 |
| 92 | In situ TPO, TPD and XRD characterisation of a molybdenum oxycarbohydride catalyst for n-butane isomerisation. Applied Catalysis A: General, 2001, 215, 175-184. | 2.2 | 33 |
| 93 | Direct Observation of Stacking Faults and Pore Connections in Ordered Cage-Type Mesoporous Silica FDU-12 by Electron Tomography. Journal of the American Chemical Society, 2008, 130, 16800-16806. | 6.6 | 33 |
| 94 | Influence of the oxygen pretreatment on the CO2 reforming of methane on Ni/Î²-SiC catalyst. Catalysis Today, 2009, 141, 393-396. | 2.2 | 33 |
| 95 | High temperature stability of platinum nanoparticles on few-layer graphene investigated by In Situ high resolution transmission electron microscopy. Nano Research, 2011, 4, 511-521. | 5.8 | 33 |
| 96 | Nitrogen-doped carbon nanotube spheres as metal-free catalysts for the partial oxidation of H2S. Comptes Rendus Chimie, 2016, 19, 1303-1309. | 0.2 | 33 |
| 97 | Analytical electron tomography mapping of the SiC pore oxidation at the nanoscale. Nanoscale, 2010, 2, 2668. | 2.8 | 32 |
| 98 | Silicon carbide foam decorated with carbon nanofibers as catalytic stirrer in liquid-phase hydrogenation reactions. Applied Catalysis A: General, 2014, 469, 81-88. | 2.2 | 32 |
| 99 | Cotton Fabrics Coated with Few-Layer Graphene as Highly Responsive Surface Heaters and Integrated Lightweight Electronic-Textile Circuits. ACS Applied Nano Materials, 2020, 3, 9771-9783. | 2.4 | 32 |
| 100 | Chemical functionalization of N-doped carbon nanotubes: a powerful approach to cast light on the electrochemical role of specific N-functionalities in the oxygen reduction reaction. Catalysis Science and Technology, 2016, 6, 6226-6236. | 2.1 | 31 |
| 101 | Structure-performance relationship of nanodiamonds @ nitrogen-doped mesoporous carbon in the direct dehydrogenation of ethylbenzene. Catalysis Today, 2018, 301, 38-47. | 2.2 | 31 |
| 102 | How to teach an old dog new (electrochemical) tricks: aziridine-functionalized CNTs as efficient electrocatalysts for the selective CO<sub>2</sub> reduction to CO. Journal of Materials Chemistry A, 2018, 6, 16382-16389. | 5.2 | 31 |
| 103 | Nitrogen-doped carbon nanotubes on silicon carbide as a metal-free catalyst. Chinese Journal of Catalysis, 2014, 35, 906-913. | 6.9 | 30 |
| 104 | Colloid Approach to the Sustainable Top-Down Synthesis of Layered Materials. ACS Omega, 2017, 2, 8610-8617. | 1.6 | 30 |
| 105 | Heteroatom-Doped Monolithic Carbocatalysts with Improved Sulfur Selectivity and Impurity Tolerance for H<sub>2</sub>S Selective Oxidation. ACS Catalysis, 2021, 11, 8591-8604. | 5.5 | 30 |
| 106 | Comparative Effect of Organosulfur Compounds on Catalysts for then-Heptane Isomerization Reaction at Medium Pressure:Â Mo2C-Oxygen-Modified, MoO3-Carbon-Modified, Pt/Î³-Al2O3, and Pt/Î²-Zeolite Catalysts. Industrial & Engineering Chemistry Research, 1996, 35, 672-682. | 1.8 | 29 |
| 107 | Growth of Singleâ€Walled Carbon Nanotubes from Sharp Metal Tips. Small, 2009, 5, 2710-2715. | 5.2 | 29 |
| 108 | Macroscopic shaping of carbon nanotubes with high specific surface area and full accessibility. Materials Letters, 2012, 79, 128-131. | 1.3 | 29 |

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|---|---|---|---|
| 109 | Surface Engineering of Chemically Exfoliated MoS<sub>2</sub> in a â€œClickâ€ How To Generate Versatile Multifunctional Transition Metal Dichalcogenides-Based Platforms. Chemistry of Materials, 2018, 30, 8257-8269. | 3.2 | 29 |
| 110 | CO2 methanation under dynamic operational mode using nickel nanoparticles decorated carbon felt (Ni/OCF) combined with inductive heating. Catalysis Today, 2020, 357, 214-220. | 2.2 | 29 |
| 111 | A high-performance Pt/Î²-SiC catalyst for catalytic combustion of model carbon particles (CPs). Applied Catalysis A: General, 2004, 266, 21-27. | 2.2 | 28 |
| 112 | Carbon nanofibers: a versatile catalytic support. Materials Research, 2008, 11, 353-357. | 0.6 | 28 |
| 113 | BETA zeolite nanowire synthesis under non-hydrothermal conditions using carbon nanotubes as template. Carbon, 2004, 42, 1941-1946. | 5.4 | 27 |
| 114 | Carbon nanotubes as a template for mild synthesis of magnetic CoFe2O4 nanowires. Carbon, 2004, 42, 1395-1399. | 5.4 | 27 |
| 115 | Acylation of anisole by acetic anhydride catalysed by BETA zeolite supported on pre-shaped silicon carbide. Catalysis Communications, 2006, 7, 768-772. | 1.6 | 27 |
| 116 | Carbon nanotube channels selectively filled with monodispersed Fe3â^'xO4 nanoparticles. Journal of Materials Chemistry A, 2013, 1, 13853. | 5.2 | 27 |
| 117 | Microwave-promoted hydrogenation and alkynylation reactions with palladium-loaded multi-walled carbon nanotubes. New Journal of Chemistry, 2008, 32, 920. | 1.4 | 26 |
| 118 | Selectiven-Butane Isomerization over High Specific Surface Area MoO3-Carbon-Modified Catalyst. Industrial & Engineering Chemistry Research, 1997, 36, 4166-4175. | 1.8 | 25 |
| 119 | Molybdenum oxycarbide hydrocarbon isomerization catalysts: cleaner fuels for the future. Catalysis Today, 1997, 35, 51-57. | 2.2 | 25 |
| 120 | Axial Dispersion Based on the Residence Time Distribution Curves in a Millireactor Filled with Î²-SiC Foam Catalyst. Industrial & Engineering Chemistry Research, 2012, 51, 15011-15017. | 1.8 | 25 |
| 121 | Mechanical enhancement of C/C composites via the formation of a machinable carbon nanofiber interphase. Carbon, 2008, 46, 76-83. | 5.4 | 24 |
| 122 | Carbon nanotubes decorated Î±-Al2O3 containing cobalt nanoparticles for Fischer-Tropsch reaction. Journal of Energy Chemistry, 2013, 22, 279-289. | 7.1 | 24 |
| 123 | Hierarchical carbon nanofibers/graphene composite containing nanodiamonds for direct dehydrogenation of ethylbenzene. Carbon, 2016, 96, 1060-1069. | 5.4 | 24 |
| 124 | Lightweight, few-layer graphene composites with improved electro-thermal properties as efficient heating devices for de-icing applications. Carbon, 2021, 182, 655-668. | 5.4 | 24 |
| 125 | Hierarchically structured reactors containing nanocarbons for intensification of chemical reactions. Journal of Materials Chemistry A, 2017, 5, 22408-22441. | 5.2 | 23 |
| 126 | On the role of hydrogen during the reductionâ€“carburation of MoO3 into molybdenum oxycarbide. Journal of Molecular Catalysis A, 2000, 162, 317-334. | 4.8 | 22 |

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|---|---|---|---|
| 127 | Selective Deposition of Palladium Nanoparticles inside the Bimodal Porosity of Î²-SiC Investigated by Electron Tomography. Journal of Physical Chemistry C, 2009, 113, 17711-17719. | 1.5 | 22 |
| 128 | A predictive model based on tortuosity for pressure drop estimation in â€˜slimâ€™ and â€˜fatâ€™ foams. Chemical Engineering Science, 2011, 66, 4771-4779. | 1.9 | 22 |
| 129 | Effect of nitriding/nanostructuration of few layer graphene supported iron-based particles; catalyst in graphene etching and carbon nanofilament growth. Physical Chemistry Chemical Physics, 2014, 16, 15988. | 1.3 | 22 |
| 130 | 3D Study of the Morphology and Dynamics of Zeolite Nucleation. Chemistry - A European Journal, 2015, 21, 18316-18327. | 1.7 | 22 |
| 131 | Influence of the reaction temperature on the oxygen reduction reaction on nitrogen-doped carbon nanotube catalysts. Catalysis Today, 2015, 249, 236-243. | 2.2 | 22 |
| 132 | Highly Nickelâ€Loaded Î³â€Alumina Composites for a Radiofrequencyâ€Heated, Lowâ€Temperature CO<sub>2</sub> Methanation Scheme. ChemSusChem, 2020, 13, 5468-5479. | 3.6 | 22 |
| 133 | Radio-frequency induction heating powered low-temperature catalytic CO2 conversion via bi-reforming of methane. Chemical Engineering Journal, 2022, 430, 132934. | 6.6 | 22 |
| 134 | Macronized aligned carbon nanotubes for use as catalyst support and ceramic nanoporous membrane template. Catalysis Today, 2009, 145, 76-84. | 2.2 | 21 |
| 135 | Macroscopic graphite felt containing palladium catalyst for liquid-phase hydrogenation of cinnamaldehyde. Applied Catalysis B: Environmental, 2019, 244, 128-139. | 10.8 | 21 |
| 136 | Catalytic growth of silicon carbide composite with nanoscopic properties and enhanced oxidative resistance as catalyst support. Applied Catalysis A: General, 2010, 385, 52-61. | 2.2 | 20 |
| 137 | The Coulombic Nature of Active Nitrogen Sites in N-Doped Nanodiamond Revealed In Situ by Ionic Surfactants. ACS Catalysis, 2017, 7, 3295-3300. | 5.5 | 20 |
| 138 | An Open Gate for High-Density Metal Ions in N-Doped Carbon Networks: Powering Feâ€“Nâ€“C Catalyst Efficiency in the Oxygen Reduction Reaction. ACS Catalysis, 2021, 11, 8915-8928. | 5.5 | 20 |
| 139 | Highâ€Density and Thermally Stable Palladium Singleâ€Atom Catalysts for Chemoselective Hydrogenations. Angewandte Chemie, 2020, 132, 21797-21803. | 1.6 | 19 |
| 140 | 3D-TEM investigation of the nanostructure of a Î´-Al<sub>2</sub>O<sub>3</sub>catalyst support decorated with Pd nanoparticles. Nanoscale, 2012, 4, 946-954. | 2.8 | 18 |
| 141 | Formation and characterization of carbonâ€“metal nano-contacts. Carbon, 2014, 77, 906-911. | 5.4 | 18 |
| 142 | Bucky paper with improved mechanical stability made from vertically aligned carbon nanotubes for desulfurization process. Applied Catalysis A: General, 2011, 400, 230-237. | 2.2 | 17 |
| 143 | Nanodiamonds @ N, P co-modified mesoporous carbon supported on macroscopic SiC foam for oxidative dehydrogenation of ethylbenzene. Catalysis Today, 2020, 357, 231-239. | 2.2 | 17 |
| 144 | Foldable flexible electronics based on few-layer graphene coated on paper composites. Carbon, 2020, 167, 169-180. | 5.4 | 17 |

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|---|---|---|---|
| 145 | High temperature H2Sremoval over high specific surface area [beta ]-SiC supported iron oxide sorbent Part 1Preparation and characterization. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 435-442. | 1.7 | 16 |
| 146 | Gaseous Nitric Acid Activated Graphite Felts as Hierarchical Metal-Free Catalyst for Selective Oxidation of H2S. Catalysts, 2018, 8, 145. | 1.6 | 16 |
| 147 | Enhancing oxygen activation on high surface area Pd-SnO2 solid solution with isolated metal site catalysts for catalytic CH4 combustion. Applied Surface Science, 2021, 564, 150368. | 3.1 | 16 |
| 148 | Green catalysis for production of chemicals and CO-free hydrogen. Catalysis Communications, 2007, 8, 1787-1792. | 1.6 | 15 |
| 149 | A single-stage functionalization and exfoliation method for the production of graphene in water: stepwise construction of 2D-nanostructured composites with iron oxide nanoparticles. Nanoscale, 2013, 5, 9073. | 2.8 | 15 |
| 150 | A nitrogen-doped carbon-coated silicon carbide as a robust and highly efficient metal-free catalyst for sour gas desulfurization in the presence of aromatics as contaminants. Catalysis Science and Technology, 2020, 10, 5487-5500. | 2.1 | 15 |
| 151 | Surface Oxygenate Species on TiC Reinforce Cobalt-Catalyzed Fischerâ€“Tropsch Synthesis. ACS Catalysis, 2021, 11, 8087-8096. | 5.5 | 15 |
| 152 | New catalysts based on silicon carbide support for improvements in the sulfur recovery: new silicon carbide nanotubes as catalyst support for the trickle-bed H2S oxidation. Journal of the Brazilian Chemical Society, 2005, 16, 514-519. | 0.6 | 14 |
| 153 | Catalytic synthesis of a high aspect ratio carbon nanotubes bridging carbon felt composite with improved electrical conductivity and effective surface area. Applied Catalysis A: General, 2011, 392, 238-247. | 2.2 | 14 |
| 154 | Synergy between Nickel Nanoparticles and N-Enriched Carbon Nanotubes Enhances Alkaline Hydrogen Oxidation and Evolution Activity. ACS Applied Nano Materials, 2021, 4, 3586-3596. | 2.4 | 14 |
| 155 | Comparison of the Effects of Nitrogen Poisoning on Molybdenum Oxycarbide and Pt/Î²-Zeolite Catalysts in the Isomerization ofn-Heptane. Industrial & Engineering Chemistry Research, 1996, 35, 3302-3310. | 1.8 | 13 |
| 156 | Microwave heating effects on acylation of anisole, catalyzed by BEA zeolite supported on Î²-SiC. Catalysis Communications, 2009, 10, 477-480. | 1.6 | 13 |
| 157 | Hydrophobic gold catalysts: From synthesis on passivated silica to synthesis on few-layer graphene. Catalysis Today, 2014, 235, 90-97. | 2.2 | 13 |
| 158 | Activation of few layer graphene by Î¼W-assisted oxidation in water via formation of nanoballs â€“ Support for platinum nanoparticles. Journal of Colloid and Interface Science, 2015, 451, 221-230. | 5.0 | 13 |
| 159 | High surface-to-volume hybrid platelet reactor filled with catalytically grown vertically aligned carbon nanotubes. Catalysis Today, 2010, 150, 133-139. | 2.2 | 12 |
| 160 | Playing with covalent triazine framework tiles for improved CO<sub>2</sub> adsorption properties and catalytic performance. Beilstein Journal of Nanotechnology, 2019, 10, 1217-1227. | 1.5 | 12 |
| 161 | Comparison and calibration of diverse passive samplers used for the air sampling of pesticides during a regional sampling monitoring campaign. Atmospheric Pollution Research, 2020, 11, 1217-1225. | 1.8 | 12 |
| 162 | Graphite Felt-Sandwiched Ni/SiC Catalysts for the Induction Versus Joule-Heated Sabatier Reaction: Assessing the Catalyst Temperature at the Nanoscale. ACS Sustainable Chemistry and Engineering, 2022, 10, 622-632. | 3.2 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Performance comparison of Ir/CNF and Ir/Al2O3 catalysts in a 2 N hydrazine microthruster. Catalysis Letters, 2005, 99, 177-180. | 1.4 | 11 |
| 164 | BETA zeolite supported on silicon carbide for Friedel-Crafts fixed-bed reactions. Journal of Molecular Catalysis A, 2007, 278, 64-71. | 4.8 | 11 |
| 165 | Towards the oxygenated phase coverage rate of Î²-SiC surface. Diamond and Related Materials, 2008, 17, 1867-1870. | 1.8 | 11 |
| 166 | Microstructural Analysis and Energyâ€Filtered TEM Imaging to Investigate the Structureâ€“Activity Relationship in Fischerâ€“Tropsch Catalysts. ChemCatChem, 2013, 5, 2610-2620. | 1.8 | 11 |
| 167 | Design of Fe3â€“xO4 raspberry decorated graphene nanocomposites with high performances in lithium-ion battery. Journal of Energy Chemistry, 2016, 25, 272-277. | 7.1 | 11 |
| 168 | Second Youth of a Metal-Free Dehydrogenation Catalyst: When Î³-Al<sub>2</sub>O<sub>3</sub> Meets Coke Under Oxygen- and Steam-Free Conditions. ACS Catalysis, 2019, 9, 9474-9484. | 5.5 | 11 |
| 169 | Design and Fabrication of Highly Reducible PtCo Particles Supported on Graphene-Coated ZnO. ACS Applied Materials & Interfaces, 2017, 9, 34256-34268. | 4.0 | 10 |
| 170 | Halfâ€Sandwich Nickel(II) NHCâ€Picolyl Complexes as Catalysts for the Hydrosilylation of Carbonyl Compounds: Evidence for NHCâ€Nickel Nanoparticles under Harsh Reaction Conditions. European Journal of Inorganic Chemistry, 2021, 2021, 3074-3082. | 1.0 | 10 |
| 171 | Supported BETA zeolite on preshaped Î²-SiC as clean Friedel-Crafts liquid-phase catalyst. Topics in Catalysis, 2007, 45, 111-116. | 1.3 | 9 |
| 172 | Microscopy investigations of the microstructural change and thermal response of cobalt-based nanoparticles confined inside a carbon nanotube medium. Journal of Materials Chemistry A, 2015, 3, 11203-11214. | 5.2 | 9 |
| 173 | CO2 Electrochemical Reduction by Exohedral N-Pyridine Decorated Metal-Free Carbon Nanotubes. Energies, 2020, 13, 2703. | 1.6 | 9 |
| 174 | Radiofrequency-driven selective oxidation of H2S on hierarchical metal-free catalyst containing defects. Applied Catalysis A: General, 2021, 620, 118171. | 2.2 | 9 |
| 175 | High temperature H2Sremoval over high specific surface area [beta ]-SiC supported iron oxide sorbent Part 2Sulfidation and regeneration. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 443-450. | 1.7 | 8 |
| 176 | A new recyclable Pd catalyst supported on vertically aligned carbon nanotubes for microwaves-assisted Heck reactions. Comptes Rendus Chimie, 2011, 14, 663-670. | 0.2 | 8 |
| 177 | Passive air samplers based on ceramic adsorbent for monitoring of organochlorine pesticides, polycyclic aromatic hydrocarbons and polychlorinated biphenyls in outdoor air. Environmental Technology and Innovation, 2020, 20, 101094. | 3.0 | 8 |
| 178 | Tailoring Properties of Metal-Free Catalysts for the Highly Efficient Desulfurization of Sour Gases under Harsh Conditions. Catalysts, 2021, 11, 226. | 1.6 | 8 |
| 179 | Catalytic Action of Gold and Copper Crystals in the Growth of Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2011, 11, 3609-3615. | 0.9 | 7 |
| 180 | High yield graphene and few-layer graphene synthesis assisted by microwaves. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1009-1011. | 1.3 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | Palladium Nanosheet-Carbon Black Powder Composites for Selective Hydrogenation of Alkynes to Alkenes. ACS Applied Nano Materials, 2021, 4, 2265-2277. | 2.4 | 7 |
| 182 | Inducing atomically dispersed Clâ€“FeN<sub>4</sub> sites for ORRs in the SiO<sub>2</sub>-mediated synthesis of highly mesoporous N-enriched C-networks. Journal of Materials Chemistry A, 2022, 10, 6153-6164. | 5.2 | 7 |
| 183 | Palladium Supported on Calcium Decorated Carbon Nanotube Hybrids for Chemoselective Hydrogenation of Cinnamaldehyde. Frontiers in Chemistry, 2019, 7, 751. | 1.8 | 6 |
| 184 | Catalytic Nanopatterning of Few-Layer Graphene. ACS Catalysis, 2017, 7, 5941-5949. | 5.5 | 6 |
| 185 | 3Dâ€TEM Characterization of the Porosity in Nanoscaled Materials: Application to Catalysis. Advanced Engineering Materials, 2011, 13, 122-127. | 1.6 | 5 |
| 186 | Carbon Felt Monoliths Coated with a Highly Hydrophobic Mesoporous Carbon Phase for the Continuous Oil Sorption/Filtration from Water. Advanced Sustainable Systems, 2018, 2, 1800040. | 2.7 | 5 |
| 187 | Cathode Materials for Polymer Electrolyte Fuel Cells Based on Vertically Aligned Carbon Filaments. ECS Transactions, 2011, 41, 1089-1097. | 0.3 | 4 |
| 188 | FLCâ€“high aspect ratio MWNTs hybrid film prepared by hot spray technique. Materials Letters, 2013, 96, 57-59. | 1.3 | 4 |
| 189 | Cooperative effect of Pt single-atoms and nanoparticles supported on carbonaceous materials: Catalytic NO decomposition as a probe reaction. Applied Catalysis A: General, 2021, 617, 118103. | 2.2 | 4 |
| 190 | Novos materiais Ã base de nanofibras de carbono como suporte de catalisador na decomposiÃ§Ã£o da hidrazina. Quimica Nova, 2003, 26, 665-669. | 0.3 | 3 |
| 191 | DecomposiÃ§Ã£o catalÃtica da hidrazina sobre irÃdio suportado em compÃ³sitos Ã base de nanofibras de carbono para propulsÃ£o espacial: testes em condiÃ§Ãµes reais. Quimica Nova, 2005, 28, 42-45. | 0.3 | 3 |
| 192 | Tridimensional few-layer graphene-like structures from sugar-salt mixtures as high-performance supercapacitor electrodes. Materials Today Energy, 2018, 10, 118-125. | 2.5 | 3 |
| 193 | Measuring current-use pesticides in air: A comparison of silicon carbide foam to XAD as passive air samplers. Environmental Technology and Innovation, 2021, 24, 101876. | 3.0 | 3 |
| 194 | Urchin-like self-supported carbon nanotubes with macroscopic shaping and fully accessible surface. Materials Letters, 2011, 65, 2482-2485. | 1.3 | 2 |
| 195 | Exohedrally functionalized carbon-based networks as catalysts for electrochemical syntheses. Current Opinion in Green and Sustainable Chemistry, 2022, 33, 100579. | 3.2 | 2 |
| 196 | Carbon Nanofiber Composite as a Catalytic Hydrazine Decomposition Support for Satellite Propulsion. Japanese Journal of Applied Physics, 2005, 44, 4282-4284. | 0.8 | 1 |
| 197 | Corrigendum to â€œEffect of structure and thermal properties of a Fischerâ€“Tropsch catalyst in a fixed bedâ€•[Catal. Today 147S (2009) S305â€“S312]. Catalysis Today, 2011, 160, 255-256. | 2.2 | 1 |
| 198 | Nickel Sulfides Decorated SiC Foam for the Low Temperature Conversion of H2S into Elemental Sulfur. Molecules, 2018, 23, 1528. | 1.7 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | Multimodal hybrid 2D networks via the thiol-epoxide reaction on 1T/2H MoS2 polytypes. Materials Chemistry Frontiers, 2021, 5, 3470-3479. | 3.2 | 1 |
| 200 | Preparation and characterization of SiC microfibers and Cr3C2 with medium specific surface area for catalytic applications. Studies in Surface Science and Catalysis, 1998, 118, 855-868. | 1.5 | 0 |
| 201 | Characterization of the deactivation of MoO3-carbon-modified supported on SiC for n-butane dehydrogenation reaction. Studies in Surface Science and Catalysis, 1999, 126, 163-170. | 1.5 | 0 |
| 202 | ZSM-5 Nanowires Assembly Supported on Medium Surface Area Foam <I>Î²</I>-SiC Composite with Nanoscopic Surface Properties. Journal of Nanoscience and Nanotechnology, 2009, 9, 3611-3616. | 0.9 | 0 |