

Cecil K King'ondu

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,844
citations

279487

23
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360668

35
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40
all docs

40
docs citations

40
times ranked

4524
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Corn husk multilayered graphene/ZnO nanocomposite materials with enhanced photocatalytic activity for organic dyes and doxycycline degradation. <i>Materials Research Bulletin</i> , 2022, 151, 111800. | 2.7 | 22 |
| 2 | Processing-properties-performance triad relationship in a <i>Washingtonia robusta</i> mesoporous carbon materials-based supercapacitor device. <i>RSC Advances</i> , 2022, 12, 12631-12646. | 1.7 | 5 |
| 3 | Synergistic power conversion efficiency contribution of counter electrode components in Dye Sensitized Solar Cells. <i>Optical Materials</i> , 2022, 131, 112667. | 1.7 | 0 |
| 4 | Synthesis of bismuth oxyhalide (BiOBr _z (1-z)) solid solutions for photodegradation of methylene dye. <i>AAS Open Research</i> , 2021, 4, 43. | 1.5 | 2 |
| 5 | Manihot glaziovii-Bonded and Bioethanol-Infused Charcoal Dust Briquettes: A New Route of Addressing Sustainability, Ignition, and Food Security Issues in Briquette Production. <i>Bioenergy Research</i> , 2020, 13, 378-386. | 2.2 | 0 |
| 6 | Performance of ion intercalation materials in capacitive deionization/electrochemical deionization: A review. <i>Journal of Electroanalytical Chemistry</i> , 2020, 878, 114588. | 1.9 | 33 |
| 7 | Multiple plasmon resonances in small-sized citrate reduced gold nanoparticles. <i>Materials Chemistry and Physics</i> , 2019, 233, 263-266. | 2.0 | 11 |
| 8 | Fish bladder-based activated carbon/Co ₃ O ₄ /TiO ₂ composite electrodes for supercapacitors. <i>Materials Chemistry and Physics</i> , 2019, 232, 49-56. | 2.0 | 12 |
| 9 | Influence of scoria and pumice on key performance indicators of Portland cement concrete. <i>Construction and Building Materials</i> , 2019, 197, 444-453. | 3.2 | 15 |
| 10 | End-to-end and side-by-side alignment of short octahedral molecular sieve (OMS-2) nanorods into long microyarn superarchitectures and highly flexible membranes. <i>Nano Structures Nano Objects</i> , 2018, 14, 49-56. | 1.9 | 6 |
| 11 | The precipitation, growth and stability of mercury sulfide nanoparticles formed in the presence of marine dissolved organic matter. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 642-656. | 1.7 | 14 |
| 12 | Effect of biogas-slurry pyrolysis temperature on specific capacitance. <i>Materials Today: Proceedings</i> , 2018, 5, 10611-10620. | 0.9 | 5 |
| 13 | Biogas-slurry derived mesoporous carbon for supercapacitor applications. <i>Materials Today Energy</i> , 2017, 5, 126-137. | 2.5 | 33 |
| 14 | A review of thermal energy storage designs, heat storage materials and cooking performance of solar cookers with heat storage. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 75, 157-167. | 8.2 | 90 |
| 15 | Galactitol as phase change material for latent heat storage of solar cookers: Investigating thermal behavior in bulk cycling. <i>Solar Energy</i> , 2015, 119, 415-421. | 2.9 | 27 |
| 16 | OMS-2 for Aerobic, Catalytic, One-pot Alcohol Oxidation-Wittig Reactions: Efficient Access to α,β -Unsaturated Esters. <i>ChemCatChem</i> , 2014, 6, 749-752. | 1.8 | 32 |
| 17 | Vapor-Phase Oxidation of Benzyl Alcohol Using Manganese Oxide Octahedral Molecular Sieves (OMS-2). <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 19044-19051. | 1.8 | 25 |
| 18 | Manganese octahedral molecular sieve (OMS-2) catalysts for selective aerobic oxidation of thiols to disulfides. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 124-131. | 10.8 | 43 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Microwave-Assisted Hydrothermal Synthesis of γ - MnO_2 : Lattice Expansion via Rapid Temperature Ramping and Framework Substitution. <i>Journal of Physical Chemistry C</i> , 2014, 118, 20363-20373. | 1.5 | 56 |
| 20 | X-ray Absorption Spectroscopic Study of a Highly Thermally Stable Manganese Oxide Octahedral Molecular Sieve (OMS-2) with High Oxygen Reduction Reaction Activity. <i>Chemistry of Materials</i> , 2014, 26, 5752-5760. | 3.2 | 32 |
| 21 | A general approach to crystalline and monomodal pore size mesoporous materials. <i>Nature Communications</i> , 2013, 4, 2952. | 5.8 | 216 |
| 22 | Nano-size layered manganese-calcium oxide as an efficient and biomimetic catalyst for water oxidation under acidic conditions: comparable to platinum. <i>Dalton Transactions</i> , 2013, 42, 5085. | 1.6 | 50 |
| 23 | Interconnected Carbon Nanosheets Derived from Hemp for Ultrafast Supercapacitors with High Energy. <i>ACS Nano</i> , 2013, 7, 5131-5141. | 7.3 | 869 |
| 24 | Nano-sized manganese oxide-bovine serum albumin was synthesized and characterized. It is promising and biomimetic catalyst for water oxidation. <i>RSC Advances</i> , 2012, 2, 11253. | 1.7 | 38 |
| 25 | Effects of visible and UV light on the characteristics and properties of crude oil-in-water (O/W) emulsions. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 692-702. | 1.6 | 21 |
| 26 | Water Oxidation Catalysis using Amorphous Manganese Oxides, Octahedral Molecular Sieves (OMS-2), and Octahedral Layered (OL-1) Manganese Oxide Structures. <i>Journal of Physical Chemistry C</i> , 2012, 116, 6474-6483. | 1.5 | 267 |
| 27 | Direct Sonochemical Synthesis of Manganese Octahedral Molecular Sieve (OMS-2) Nanomaterials Using Cosolvent Systems, Their Characterization, and Catalytic Applications. <i>Chemistry of Materials</i> , 2012, 24, 705-712. | 3.2 | 107 |
| 28 | Efficient Oxidation of 2,3,6-Trimethyl Phenol using Non-Exchanged and H^+ Exchanged Manganese Oxide Octahedral Molecular Sieves (K-OMS-2 and H^+ -K-OMS-2) as Catalysts. <i>Catalysis Letters</i> , 2012, 142, 427-432. | 1.4 | 11 |
| 29 | Nonthermal Synthesis of Three-Dimensional Metal Oxide Structures under Continuous-Flow Conditions and Their Catalytic Applications. <i>Journal of Physical Chemistry C</i> , 2011, 115, 23273-23282. | 1.5 | 9 |
| 30 | Light-Assisted Synthesis of Metal Oxide Hierarchical Structures and Their Catalytic Applications. <i>Journal of the American Chemical Society</i> , 2011, 133, 4186-4189. | 6.6 | 70 |
| 31 | Pyrolytic Decomposition of Ammonia Borane to Boron Nitride. <i>Inorganic Chemistry</i> , 2011, 50, 783-792. | 1.9 | 199 |
| 32 | Manganese Oxide Octahedral Molecular Sieves (OMS-2) Multiple Framework Substitutions: A New Route to OMS-2 Particle Size and Morphology Control. <i>Advanced Functional Materials</i> , 2011, 21, 312-323. | 7.8 | 157 |
| 33 | Preferential oxidation of CO in H_2 -rich feeds over mesoporous copper manganese oxides synthesized by a redox method. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 6768-6779. | 3.8 | 49 |
| 34 | Nanoscale manganese oxide octahedral molecular sieves (OMS-2) as efficient photocatalysts in 2-propanol oxidation. <i>Applied Catalysis A: General</i> , 2010, 375, 295-302. | 2.2 | 85 |
| 35 | Microwave-Assisted Hydrothermal Synthesis of Cryptomelane-Type Octahedral Molecular Sieves (OMS-2) and Their Catalytic Studies. <i>Chemistry of Materials</i> , 2010, 22, 3664-3669. | 3.2 | 89 |
| 36 | Microwave-Assisted Synthesis of Manganese Oxide Octahedral Molecular Sieve (OMS-2) Nanomaterials under Continuous Flow Conditions. <i>Journal of Physical Chemistry C</i> , 2010, 114, 14417-14426. | 1.5 | 51 |

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|----|--|-----|-----------|
| 37 | Green Decomposition of Organic Dyes Using Octahedral Molecular Sieve Manganese Oxide Catalysts. Journal of Physical Chemistry A, 2009, 113, 1523-1530. | 1.1 | 92 |
| 38 | Synthesis of bismuth oxyhalide (BiOBr _z I(1-z)) solid solutions for photodegradation of methylene blue dye. AAS Open Research, 0, 4, 43. | 1.5 | 1 |