# Debasish Kuila

List of Publications by Year
in descending order

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| 37 | 982 | 471509 17 | 477307 29 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 38 | 38 | 38 | 1191 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Scale-up of high-pressure F-T synthesis in 3D printed stainless steel microchannel microreactors: Experiments and modeling. Catalysis Today, 2022, 397-399, 182-196. | 4.4 | 9 |
| 2 | Atomic Layer Deposition of Cobalt Catalyst for Fischerâ€“Tropsch Synthesis in Silicon Microchannel Microreactor. Nanomaterials, 2022, 12, 2425. | 4.1 | 4 |
| 3 | Metal-incorporated mesoporous oxides: Synthesis and applications. Journal of Hazardous Materials, 2021, 401, 123348. | 12.4 | 19 |
| 4 | Fischer-Tropsch Synthesis in Silicon and 3D Printed Stainless Steel Microchannel Microreactors. , 2021, , 429-457. | | 3 |
| 5 | Steam reforming of methanol, ethanol and glycerol over nickel-based catalysts-A review. International Journal of Hydrogen Energy, 2020, 45, 18090-18113. | 7.1 | 123 |
| 6 | Fischer-Tropsch studies in a 3D-printed stainless steel microchannel microreactor coated with cobalt-based bimetallic-MCM-41 catalysts. Catalysis Today, 2020, 358, 303-315. | 4.4 | 22 |
| 7 | Effect of titania support on Fischer-Tropsch synthesis using cobalt, iron, and ruthenium catalysts in silicon-microchannel microreactor. Molecular Catalysis, 2019, 478, 110566. | 2.0 | 21 |
| 8 | Kinetics of Fischerâ€“Tropsch Synthesis in a 3-D Printed Stainless Steel Microreactor Using Different Mesoporous Silica Supported Co-Ru Catalysts. Catalysts, 2019, 9, 872. | 3.5 | 24 |
| 9 | Effects of Mesoporous Supports and Metals on Steam Reforming of Alcohols. , 2019, , 93-108. | | 0 |
| 10 | Growth and Functionality of Cells Cultured on Conducting and Semi-Conducting Surfaces Modified with Self-Assembled Monolayers (SAMs). Coatings, 2016, 6, 9. | 2.6 | 2 |
| 11 | Comparative performance of M-MCM-41 (M: Cu, Co, Ni, Pd, Zn and Sn) catalysts for steam reforming of methanol. Journal of Molecular Catalysis A, 2016, 425, 10-20. | 4.8 | 102 |
| 12 | Immobilized Growth Factor and peptide on indium tin oxide (ITO) scaffold for long-term hepatocyte culture towards developing a hepatotoxicity bioreactor. , 2016, , . | | 0 |
| 13 | Porous silicon substrates support osteogenic differentiation of mesenchymal stem cells. , 2016, , . | | 0 |
| 14 | Synthesis of stable Cu-MCM-41 nanocatalysts for H2 production with high selectivity via steam reforming of methanol. International Journal of Hydrogen Energy, 2015, 40, 10439-10452. | 7.1 | 82 |
| 15 | Mesoporous nanocrystalline TiO2 supported metal (Cu, Co, Ni, Pd, Zn, and Sn) catalysts: Effect of metal-support interactions on steam reforming of methanol. Journal of Molecular Catalysis A, 2015, 408, 202-213. | 4.8 | 158 |
| 16 | Comparative Studies of Silica-Encapsulated Iron, Cobalt, and Ruthenium Nanocatalysts for Fischerâ€“Tropsch Synthesis in Silicon-Microchannel Microreactors. Industrial & Engineering Chemistry Research, 2014, 53, 16245-16253. | 3.7 | 23 |
| 17 | Development of Mesoporous Silica Encapsulated Pd-Ni Nanocatalyst for Hydrogen Production. ACS Symposium Series, 2011, , 177-190. | 0.5 | 4 |
| 18 | Molecular Rectifying Diodes Based on an Aluminum/4â€²-Hydroxy-4-biphenyl Carboxylic Acid/p<sup>+</sup>-Silicon Junction. Journal of Physical Chemistry C, 2010, 114, 20877-20884. | 3.1 | 12 |

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|---|---|---|---|
| 19 | INVESTIGATION OF A NOVEL MICROREACTOR FOR ENHANCING MIXING AND CONVERSION. Chemical Engineering Communications, 2008, 195, 745-757. | 2.6 | 18 |
| 20 | Microreactors for Syngas Conversion to Higher Alkanes:â€‰ Effect of Ruthenium on Silica-Supported Ironâ^'Cobalt Nanocatalysts. Industrial & Engineering Chemistry Research, 2008, 47, 1684-1688. | 3.7 | 17 |
| 21 | Synthesis and Characterization of Bimetallic Pd-Co Nano Magnetic Materials in Mesoporous Silica. Materials Research Society Symposia Proceedings, 2008, 1118, 9. | 0.1 | 0 |
| 22 | Synthesis and characterization of non-noble nanocatalysts for hydrogen production in microreactors. Journal of Power Sources, 2007, 163, 630-636. | 7.8 | 14 |
| 23 | Fabrication and characterization of an indium tin oxide-octadecanethiol-aluminum junction for molecular electronics. Applied Physics Letters, 2006, 88, 233104. | 3.3 | 14 |
| 24 | Silica Sol-Gel Supported Nickel Nano-Catalyst for Hydrogen Production Using Microreactors. Materials Research Society Symposia Proceedings, 2005, 885, 1. | 0.1 | 0 |
| 25 | Microreactors for Syngas Conversion to Higher Alkanes:â€‰ Characterization of Solâ^'Gel-Encapsulated Nanoscale Feâ^'Co Catalysts in the Microchannels. Industrial & Engineering Chemistry Research, 2005, 44, 5602-5607. | 3.7 | 22 |
| 26 | Tris(hydroxyphenyl)ethane Benzotriazole:â€‰ A Copolymerizable UV Light Stabilizer,1a. Chemistry of Materials, 1999, 11, 109-116. | 6.7 | 68 |
| 27 | Cryogenic Electron Tunneling within Mixed-Metal Hemoglobin Hybrids:Â Protein Glassing and Electron-Transfer Energetics. Journal of the American Chemical Society, 1998, 120, 11401-11407. | 13.7 | 36 |
| 28 | Gas-phase studies on reductive cyclization to a benzotriazole derivative from its precursors by liquid chromatography/thermabeam tandem mass spectrometry. Organic Mass Spectrometry, 1994, 29, 226-231. | 1.3 | 3 |
| 29 | Resonance Raman studies of Rieske-type proteins. Biochimica Et Biophysica Acta - Bioenergetics, 1992, 1140, 175-183. | 1.0 | 60 |
| 30 | Long-Range Electron Transfer Within Mixed-Metal Hemoglobin Hybrids. Advances in Chemistry Series, 1991, , 201-213. | 0.6 | 9 |
| 31 | Zinc and magnesium substitution in hemoglobin: cyclic electron transfer within mixed-metal hybrids and crystal structure of MgHb. Journal of the American Chemical Society, 1991, 113, 6520-6526. | 13.7 | 17 |
| 32 | Temperature-independent electron transfer in mixed-metal hemoglobin hybrids. The Journal of Physical Chemistry, 1991, 95, 1-3. | 2.9 | 32 |
| 33 | Resonance Raman spectra of the [2Fe-2S] clusters of the Rieske protein from Thermus and phthalate dioxygenase from Pseudomonas. Journal of the American Chemical Society, 1987, 109, 1559-1561. | 13.7 | 47 |
| 34 | Electron spin resonance studies of two copper(II) N-alkylporphyrins. Inorganica Chimica Acta, 1985, 99, L9-L11. | 2.4 | 1 |
| 35 | Kinetics and mechanisms of dealkylation reactions of N-methylporphyrin complexes. 3. Effects of porphyrin ring substituents and reaction media. Inorganic Chemistry, 1983, 22, 1095-1099. | 4.0 | 9 |
| 36 | Cu-Ni Nanocatalysts in Mesoporous MCM-41 and TiO<sub>2 </sub>to Produce Hydrogen for Fuel Cells via Steam Reforming Reactions. Advanced Materials Research, 0, 1096, 161-168. | 0.3 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Metal-Molecule Heterostructures: Charge Transfer. , 0, , 2522-2534. | | 0 |