# Bappi Paul

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/882823/publications.pdf

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| | | 159585 | 214800 |
|---|---|---|---|
| 73 | 2,464 | 30 | 47 |
| papers | citations | h-index | g-index |

| | | | |
|---|---|---|---|
| 76 | 76 | 76 | 2759 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Waste snail shell derived heterogeneous catalyst for biodiesel production by the transesterification of soybean oil. RSC Advances, 2018, 8, 20131-20142. | 3.6 | 183 |
| 2 | Fine cutting edge shaped Bi2O3rods/reduced graphene oxide (RGO) composite for supercapacitor and visible-light photocatalytic applications. Journal of Colloid and Interface Science, 2017, 498, 449-459. | 9.4 | 121 |
| 3 | Microporous nickel phosphonate derived heteroatom doped nickel oxide and nickel phosphide: Efficient electrocatalysts for oxygen evolution reaction. Chemical Engineering Journal, 2021, 405, 126803. | 12.7 | 112 |
| 4 | Photocatalytic and antibacterial activities of gold and silver nanoparticles synthesized using biomass of Parkia roxburghii leaf. Journal of Photochemistry and Photobiology B: Biology, 2016, 154, 1-7. | 3.8 | 111 |
| 5 | Facile Synthesis of Nanoporous Transition Metalâ€Based Phosphates for Oxygen Evolution Reaction. ChemCatChem, 2020, 12, 2091-2096. | 3.7 | 106 |
| 6 | Green synthesis of gold nanoparticles using Pogestemon benghalensis (B) O. Ktz. leaf extract and studies of their photocatalytic activity in degradation of methylene blue. Materials Letters, 2015, 148, 37-40. | 2.6 | 105 |
| 7 | Facile synthesis of novel CaFe 2 O 4 /g-C 3 N 4 nanocomposites for degradation of methylene blue under visible-light irradiation. Journal of Colloid and Interface Science, 2016, 480, 126-136. | 9.4 | 104 |
| 8 | Highly active novel CeTi2O6/g-C3N5 photocatalyst with extended spectral response towards removal of endocrine disruptor 2, 4-dichlorophenol in aqueous medium. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 592, 124583. | 4.7 | 55 |
| 9 | Novel porous metal phosphonates as efficient electrocatalysts for the oxygen evolution reaction. Chemical Engineering Journal, 2020, 396, 125245. | 12.7 | 54 |
| 10 | Facile synthesis of spinel CuCr2O4 nanoparticles and studies of their photocatalytic activity in degradation of some selected organic dyes. Journal of Alloys and Compounds, 2015, 648, 629-635. | 5.5 | 52 |
| 11 | Compliance Current-Dependent Dual-Functional Bipolar and Threshold Resistive Switching in All-Inorganic Rubidium Lead-Bromide Perovskite-Based Flexible Device. ACS Applied Electronic Materials, 2020, 2, 1343-1351. | 4.3 | 51 |
| 12 | Morphologically controlled cobalt oxide nanoparticles for efficient oxygen evolution reaction. Journal of Colloid and Interface Science, 2021, 582, 322-332. | 9.4 | 51 |
| 13 | One-pot green synthesis of gold nanoparticles and studies of their anticoagulative and photocatalytic activities. Materials Letters, 2016, 185, 143-147. | 2.6 | 50 |
| 14 | Transesterification of soybean oil at room temperature using biowaste as catalyst; an experimental investigation on the effect of co-solvent on biodiesel yield. Renewable Energy, 2020, 162, 98-111. | 8.9 | 49 |
| 15 | Paederia foetida Linn . promoted biogenic gold and silver nanoparticles: Synthesis, characterization, photocatalytic and in vitro efficacy against clinically isolated pathogens. Journal of Photochemistry and Photobiology B: Biology, 2017, 173, 210-215. | 3.8 | 48 |
| 16 | Synthesis of novel AgCl loaded g-C3N5 with ultrahigh activity as visible light photocatalyst for pollutants degradation. Chemical Physics Letters, 2020, 738, 136862. | 2.6 | 47 |
| 17 | Induced Vacancy-Assisted Filamentary Resistive Switching Device Based on RbPbI<sub>3â€“x</sub>Cl<sub>x</sub> Perovskite for RRAM Application. ACS Applied Materials & Interfaces, 2020, 12, 41718-41727. | 8.0 | 46 |
| 18 | Facile synthesis and characterization of zinc oxide nanoparticles and studies of their catalytic activity towards ultrasound-assisted degradation of metronidazole. Materials Letters, 2016, 168, 158-162. | 2.6 | 43 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Design of highly stable MgO promoted Cu/ZnO catalyst for clean methanol production through selective hydrogenation of CO2. Applied Catalysis A: General, 2021, 623, 118239. | 4.3 | 40 |
| 20 | Green synthesis of silver nanoparticles using dried biomass of Diplazium esculentum (retz.) sw. and studies of their photocatalytic and anticoagulative activities. Journal of Molecular Liquids, 2015, 212, 813-817. | 4.9 | 39 |
| 21 | Facile hydrothermal synthesis of ultrasmall W18O49 nanoparticles and studies of their photocatalytic activity towards degradation of methylene blue. Materials Chemistry and Physics, 2017, 188, 1-7. | 4.0 | 39 |
| 22 | One-pot hydrothermal synthesis of CuCo2S4/RGO nanocomposites for visible-light photocatalytic applications. Journal of Physics and Chemistry of Solids, 2018, 123, 242-253. | 4.0 | 39 |
| 23 | Facile one-pot strategy to prepare Ag/Fe2O3 decorated reduced graphene oxide nanocomposite and its catalytic application in chemoselective reduction of nitroarenes. Journal of Alloys and Compounds, 2016, 681, 316-323. | 5.5 | 37 |
| 24 | Biomolecule-assisted solvothermal synthesis of Cu<sub>2</sub>SnS<sub>3</sub> flowers/RGO nanocomposites and their visible-light-driven photocatalytic activities. RSC Advances, 2016, 6, 74177-74185. | 3.6 | 36 |
| 25 | Size-controlled synthesis of NiFe2O4 nanospheres via a PEG assisted hydrothermal route and their catalytic properties in oxidation of alcohols by periodic acid. Applied Surface Science, 2016, 370, 469-475. | 6.1 | 36 |
| 26 | Highly efficient conversion of the nitroarenes to amines at the interface of a ternary hybrid containing silver nanoparticles doped reduced graphene oxide/ graphitic carbon nitride under visible light. Journal of Hazardous Materials, 2020, 387, 121700. | 12.4 | 36 |
| 27 | Halide perovskite two-terminal analog memristor capable of photo-activated synaptic weight modulation for neuromorphic computing. Applied Physics Letters, 2021, 118, . | 3.3 | 35 |
| 28 | Anchoring carbon spheres on BiOBr/g-C3N4 matrix for high-performance visible light photocatalysis. Ceramics International, 2018, 44, 23320-23323. | 4.8 | 34 |
| 29 | One-pot green synthesis of zinc oxide nano rice and its application as sonocatalyst for degradation of organic dye and synthesis of 2-benzimidazole derivatives. Journal of Physics and Chemistry of Solids, 2017, 104, 152-159. | 4.0 | 32 |
| 30 | Co-pyrolysis of rice straw and water hyacinth: Characterization of products, yields and biomass interaction effect. Biomass and Bioenergy, 2019, 127, 105281. | 5.7 | 32 |
| 31 | Facile synthesis of Î±-Fe2O3 nanoparticles and their catalytic activity in oxidation of benzyl alcohols with periodic acid. Catalysis Communications, 2015, 69, 48-54. | 3.3 | 31 |
| 32 | One-pot hydrothermal synthesis and characterization of CoFe 2 O 4 nanoparticles and its application as magnetically recoverable catalyst in oxidation of alcohols by periodic acid. Materials Chemistry and Physics, 2016, 181, 99-105. | 4.0 | 31 |
| 33 | Facile solvothermal synthesis of BiOI microsquares as a novel electrode material for supercapacitor applications. Materials Letters, 2018, 210, 109-112. | 2.6 | 31 |
| 34 | Î±-Fe2O3 immobilized benzimidazolium tribromide as novel magnetically retrievable catalyst for one-pot synthesis of highly functionalized piperidines. Chinese Chemical Letters, 2016, 27, 1725-1730. | 9.0 | 29 |
| 35 | Facile large scale synthesis of CuCr<sub>2</sub>O<sub>4</sub>/CuO nanocomposite using MOF route for photocatalytic degradation of methylene blue and tetracycline under visible light. Applied Organometallic Chemistry, 2020, 34, e5365. | 3.5 | 28 |
| 36 | Supercapacitors studies on BiPO<sub>4</sub> nanoparticles synthesized via a simple microwave approach. Journal of Taibah University for Science, 2017, 11, 661-666. | 2.5 | 27 |

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|---|---|---|---|
| 37 | Fabrication of Au Nanoparticles Supported on One-Dimensional La<sub>2</sub>O<sub>3</sub> Nanorods for Selective Esterification of Methacrolein to Methyl Methacrylate with Molecular Oxygen. ACS Sustainable Chemistry and Engineering, 2019, 7, 3982-3994. | 6.7 | 27 |
| 38 | Improvement of the Resistive Switching Characteristics upon Halide Mixing in an All-Inorganic RbPbI<sub>3</sub> Perovskite Polymer Composite Based Flexible Device. Journal of Physical Chemistry C, 2021, 125, 13610-13618. | 3.1 | 27 |
| 39 | Influence of Indium as a Promoter on the Stability and Selectivity of the Nanocrystalline Cu/CeO<sub>2</sub> Catalyst for CO<sub>2</sub> Hydrogenation to Methanol. ACS Applied Materials & Interfaces, 2021, 13, 28201-28213. | 8.0 | 27 |
| 40 | Facile synthesis of size-controlled Ag supported on WO3 nanorods and their application as novel and active catalyst in oxidant-free dehydrogenation of benzyl alcohols. Catalysis Communications, 2019, 132, 105804. | 3.3 | 25 |
| 41 | Photocatalytic oxidation of aromatic alcohols over silver supported on cobalt oxide nanostructured catalyst. Journal of Alloys and Compounds, 2019, 783, 583-592. | 5.5 | 25 |
| 42 | Influence of Nanoscale Charge Trapping Layer on the Memory and Synaptic Characteristics of a Novel Rubidium Lead Chloride Quantum Dot Based Memristor. Advanced Electronic Materials, 2022, 8, . | 5.1 | 23 |
| 43 | Synthesis of yttrium doped BiOF/RGO composite for visible light: Photocatalytic applications. Materials Science for Energy Technologies, 2019, 2, 112-116. | 1.8 | 22 |
| 44 | Morphology controlled synthesis of 2D heterostructure Ag/WO3 nanocomposites for enhanced photoelectrochemical CO2 reduction performance. Journal of CO2 Utilization, 2020, 41, 101284. | 6.8 | 20 |
| 45 | Metal organic framework derived magnetically recoverable CuFe2O4 porous cubes for efficient photocatalytic application. Inorganic Chemistry Communication, 2021, 125, 108405. | 3.9 | 20 |
| 46 | Room temperature catalytic reduction of nitrobenzene to azoxybenzene over one pot synthesised reduced graphene oxide decorated with Ag/ZnO nanocomposite. Catalysis Communications, 2019, 124, 71-75. | 3.3 | 18 |
| 47 | Facile synthesis of YbVO4, and YVO4 nanostructures through MOF route for photocatalytic applications. Inorganic Chemistry Communication, 2020, 115, 107855. | 3.9 | 18 |
| 48 | Combined experimental and computational study to unravel the factors of the Cu/TiO2 catalyst for CO2 hydrogenation to methanol. Journal of CO2 Utilization, 2021, 50, 101576. | 6.8 | 18 |
| 49 | Development of Highly Efficient and Durable Three-Dimensional Octahedron NiCo<sub>2</sub>O<sub>4</sub> Spinel Nanoparticles toward the Selective Oxidation of Styrene. Industrial & Engineering Chemistry Research, 2019, 58, 18168-18177. | 3.7 | 17 |
| 50 | Assessing damage mitigation by silanized milled graphite nanoparticles in hybrid GFRP laminated composites. Composites Part A: Applied Science and Manufacturing, 2020, 132, 105784. | 7.6 | 16 |
| 51 | Low-temperature catalytic oxidation of aniline to azoxybenzene over an Ag/Fe<sub>2</sub>O<sub>3</sub> nanoparticle catalyst using H<sub>2</sub>O<sub>2</sub> as an oxidant. New Journal of Chemistry, 2019, 43, 8911-8918. | 2.8 | 15 |
| 52 | Preparation and characterization of WO<sub>3</sub> bonded imidazolium sulfonic acid chloride as a novel and green ionic liquid catalyst for the synthesis of adipic acid. RSC Advances, 2016, 6, 99044-99052. | 3.6 | 14 |
| 53 | Utilization of biowaste-derived catalysts for biodiesel production: process optimization using response surface methodology and particle swarm optimization method. Energy Advances, 2022, 1, 287-302. | 3.3 | 14 |
| 54 | Room temperature photocatalytic conversion of aldehydes to esters using gold supported cerium oxide nanoparticles under visible light irradiation. Materials Letters, 2019, 237, 113-117. | 2.6 | 11 |

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|---|---|---|---|
| 55 | Gold nanoparticle catalyzed intramolecular Câ€“S bond formation/Câ€“H bond functionalization/cyclization cascades. RSC Advances, 2015, 5, 57433-57436. | 3.6 | 10 |
| 56 | Paederia foetida Linn. promoted synthesis of CoFe <sub>2</sub> O <sub>4</sub> and NiFe <sub>2</sub> O <sub>4</sub> nanostructures and their photocatalytic efficiency. IET Nanobiotechnology, 2018, 12, 235-240. | 3.8 | 10 |
| 57 | CoOx electro-catalysts anchored on nitrogen-doped carbon nanotubes for the oxygen evolution reaction. Sustainable Energy and Fuels, 2021, 5, 820-827. | 4.9 | 10 |
| 58 | Impact of silanized milled graphite nanoparticles on thermo-mechanical properties of epoxy nanocomposite. Materials Chemistry and Physics, 2022, 278, 125601. | 4.0 | 10 |
| 59 | Novel microporous organic-inorganic hybrid metal phosphonates as electrocatalysts towards water oxidation reaction. Electrochimica Acta, 2022, 416, 140277. | 5.2 | 9 |
| 60 | Hexamethonium bis(tribromide) (HMBTB) a recyclable and high bromine containing reagent. Tetrahedron Letters, 2015, 56, 5646-5650. | 1.4 | 8 |
| 61 | Fabrication of a Novel ZnO/NiMoO<sub>4</sub> Nanocomposite and Evaluation of Its Visible Light Driven Photocatalytic Performance. IEEE Nanotechnology Magazine, 2018, 17, 743-750. | 2.0 | 8 |
| 62 | Understanding the Origin of Structure Sensitivity in Nano Crystalline Mixed Cu/Mgâ^'Al Oxides Catalyst for Lowâ€Pressure Methanol Synthesis. ChemCatChem, 2021, 13, 3290-3302. | 3.7 | 8 |
| 63 | Novel Protocol for the Synthesis of Organic Ammonium Tribromides and Investigation of 1,1â€²-(Ethane-1,2-diyl)dipiperidinium Bis(tribromide) in the Silylation of Alcohols and Thiols. Chemistry Letters, 2014, 43, 1545-1547. | 1.3 | 7 |
| 64 | Facile Solvothermal Synthesis of CuCo2S4 Yolk-Shells and Their Visible-Light-Driven Photocatalytic Properties. Materials, 2018, 11, 2303. | 2.9 | 7 |
| 65 | Bifunctional crystalline microporous organic polymers: Efficient heterogeneous catalysts for the synthesis of 5-hydroxymethylfurfural. Molecular Catalysis, 2021, 515, 111877. | 2.0 | 6 |
| 66 | Novel Metal- and Mineral-Acidâ€“Free Synthesis of Organic Ammonium Tribromides and Application of Ethylenephenanthrolium Bistribromide for Bromination of Active Methylene Group of 1,3-Diketones and Î²-Ketoesters. Synthetic Communications, 2015, 45, 714-726. | 2.1 | 3 |
| 67 | Enhanced electrochemical performance of copper oxide nanobeads a potential electrode material for energy storage devices. Chemical Physics Letters, 2020, 749, 137472. | 2.6 | 3 |
| 68 | Magnetically Recoverable Graphene Oxide Wrapped CuCo2S4/Iron Oxides Composites for Supercapacitor Application and Fenton Degradation of Organic Molecules. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 1978-1991. | 3.7 | 3 |
| 69 | Facile Synthesis of Spinel CoFe<sub>2</sub>O<sub>4</sub> Nanoparticle and Its Application as Magnetic Recoverable Photocatalyst for Degradation of Metronidazole and Some Selected Organic Dyes. Journal of Nanoscience and Nanotechnology, 2020, 20, 1209-1214. | 0.9 | 2 |
| 70 | Nickel Nanoparticles Supported on Nonreducible Mesoporous Materials: Effects of Framework Types on the Catalytic Decomposition of Methane. Bulletin of the Korean Chemical Society, 2021, 42, 168-171. | 1.9 | 1 |
| 71 | Cetyltrimethylammonium Bromide Promoted Size-Tuning Synthesis of Rod-Like V<SUB>2</SUB>O<SUB>5</SUB> Nanoparticles and Their Catalytic Studies in Oxidative Esterification of Aldehydes. Nanoscience and Nanotechnology Letters, 2016, 8, 173-180. | 0.4 | 1 |
| 72 | Bismuth Enriched Materials for Pseudo Capacitor Applications. , 2020, , . | | 1 |

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|---|---|---|---|
| 73 | Facile Synthesis of CuBi2O4 Microspheres for Catalytic Oxidation of Alcohols Photocatalyst and Supercapacitor Applications. Energy and Environment Focus, 2016, 5, 274-286. | 0.3 | 0 |