

India's Research Output and Collaboration (2005-14): A Bibliometric Study (Phase-II)



Report by

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6. **Agarwal, AK** (2007), Biofuels (alcohols and biodiesel) applications as fuels for internal combustion engines, *PROGRESS IN ENERGY AND COMBUSTION SCIENCE*, 33: 233-271, doi: 10.1016/j.pecs.2006.08.003
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9. **Gupta, VK; Gupta, B; Rastogi, A**; et al. (2011), A comparative investigation on adsorption performances of mesoporous activated carbon prepared from waste rubber tire and activated carbon for a hazardous azo dye-Acid Blue 113, *JOURNAL OF HAZARDOUS MATERIALS*, 186: 891-901, doi: 10.1016/j.jhazmat.2010.11.091
10. **Menon, V; Rao, M** (2012), Trends in bioconversion of lignocellulose: Biofuels, platform chemicals & biorefinery concept, *PROGRESS IN ENERGY AND COMBUSTION SCIENCE*, 38: 522-550, doi: 10.1016/j.pecs.2012.02.002

A4.5 TOP 10 MOST HIGHLY-CITED PAPERS IN MATERIALS SCIENCE

1. **Geetha, M; Singh, AK; Asokamani, R**; et al. (2009), Ti based biomaterials, the ultimate choice for orthopaedic implants - A review, *PROGRESS IN MATERIALS SCIENCE*, 54: 397-425, doi: 10.1016/j.pmatsci.2008.06.004
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3. **Das, A**; Pisana, S; **Chakraborty, B**; et al. (2008), Monitoring dopants by Raman scattering in an electrochemically top-gated graphene transistor, *NATURE NANOTECHNOLOGY*, 3: 210-215, doi: 10.1038/nnano.2008.67
4. Kyaw, AKK; Wang, DH; **Gupta, V**; et al. (2013), Efficient Solution-Processed Small-Molecule Solar Cells with Inverted Structure, *ADVANCED MATERIALS*, 25: 2397-2402, doi: 10.1002/adma.201300295
5. **Panchokarla, LS; Subrahmanyam, KS; Saha, SK**; et al. (2009), Synthesis, Structure, and Properties of Boron- and Nitrogen-Doped Graphene, *ADVANCED MATERIALS*, 21: 4726-+, doi: 10.1002/adma.200901285
6. **Kumar, S; Surendar, T; Baruah, A**; et al. (2013), Synthesis of a novel and stable g-C₃N₄-Ag₃PO₄ hybrid nanocomposite photocatalyst and study of the photocatalytic activity under visible light irradiation, *JOURNAL OF MATERIALS CHEMISTRY A*, 1: 5333-5340, doi: 10.1039/c3ta00186e
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10. **Sau, TK**; Rogach, AL; Jackel, F; et al. (2010), Properties and Applications of Colloidal Nonspherical Noble Metal Nanoparticles, *ADVANCED MATERIALS*, 22: 1805-1825, doi: 10.1002/adma.200902557

A4.6 TOP 10 MOST HIGHLY-CITED PAPERS IN BIOLOGY & BIOCHEMISTRY

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2. **Prasad, TSK; Goel, R; Kandasamy, K**; et al. (2009), Human Protein Reference Database-2009 update, *NUCLEIC ACIDS RESEARCH*, 37: D767-D772, doi: 10.1093/nar/gkn892
3. **Bhardwaj, N; Kundu, SC** (2010), Electrospinning: A fascinating fiber fabrication technique, *BIOTECHNOLOGY ADVANCES*, 28: 325-347, doi: 10.1016/j.biotechadv.2010.01.004
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