

Anil K Bajpai

List of Publications by Year in descending order

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206
papers

6,272
citations

101496

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91828

69
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209
all docs

209
docs citations

209
times ranked

7884
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | <i>In vitro</i> investigation of swelling triggered release of 5-fluorouracil from gelatin coated gold nanoparticles. Inorganic and Nano-Metal Chemistry, 2022, 52, 63-74. | 0.9 | 1 |
| 2 | Swelling triggered release of cisplatin from gelatin coated gold nanoparticles. Inorganic and Nano-Metal Chemistry, 2022, 52, 961-973. | 0.9 | 1 |
| 3 | Silver hydroxyapatite (AgHAP) reinforced nanocomposites of poly (methyl methacrylate)-poly (É-caprolactone) as hybrid orthopedic materials. International Journal of Polymeric Materials and Polymeric Biomaterials, 2021, 70, 782-796. | 1.8 | 3 |
| 4 | CdSe nanorod-reinforced poly(thiophene) composites in designing energy storage devices: study of morphology and dielectric behavior. Polymer Bulletin, 2021, 78, 115-131. | 1.7 | 21 |
| 5 | CdSe reinforced polythiophene nanocomposites as excellent materials for diode applications. EXPRESS Polymer Letters, 2021, 15, 45-57. | 1.1 | 7 |
| 6 | Efficient graphene-coated iron oxide (GCIO) nanoadsorbent for removal of lead and arsenic ions. Environmental Technology (United Kingdom), 2021, 42, 2187-2201. | 1.2 | 4 |
| 7 | Inverse emulsion polymerization–assisted designing of superparamagnetic poly (2–hydroxyethyl) Tj ETQq1 1 0.784314 rgBT /Overload Science, 2021, 61, 1427-1439. | 1.5 | 6 |
| 8 | Role of diaminonaphthalene based polymers as sensors in detection of biomolecules: A review. Results in Materials, 2021, 9, 100174. | 0.9 | 5 |
| 9 | Investigation of Sustained Release of 5- Fluoro Uracil Drug from Chitosan-co-Lactic acid Nanoparticles. Analytical Chemistry Letters, 2021, 11, 271-283. | 0.4 | 1 |
| 10 | Synthesis, Characterization and Investigation of Water Uptake Capacity of Gelatin Coated Gold Nanoparticles. Analytical Chemistry Letters, 2021, 11, 729-740. | 0.4 | 1 |
| 11 | Starch-based hydrogels. , 2021, , 75-112. | | 0 |
| 12 | Facile Preparation of Antibacterial Gelatin-Kaolin Bionano- composite Membranes and Study of Water Sorption and Water Vapour Transmission Rate (WVTR). Analytical Chemistry Letters, 2021, 11, 816-827. | 0.4 | 0 |
| 13 | Thermoresponsive cryogels of poly(2-hydroxyethyl methacrylate-co-N-isopropyl acrylamide) (P(HEMA-co-NIPAM)): fabrication, characterization and water sorption study. Polymer Bulletin, 2020, 77, 4417-4443. | 1.7 | 11 |
| 14 | Advanced Controlled Nanopesticide Delivery Systems for Managing Insect Pests. , 2020, , 155-184. | | 4 |
| 15 | Polymer Formulations for Pesticide Release. , 2020, , 185-206. | | 0 |
| 16 | Influence of nature of surfactant and precursor salt anion on the microwave assisted synthesis of barium carbonate nanoparticles. Materials Chemistry and Physics, 2020, 241, 122377. | 2.0 | 7 |
| 17 | Encapsulation of cytarabine into casein coated iron oxide nanoparticles (CCIONPs) and study of in vitro drug release and anticancer activities. Journal of Drug Delivery Science and Technology, 2020, 55, 101396. | 1.4 | 11 |
| 18 | Evaluation of DC and AC conducting properties of poly (diaminonaphthalene) conjugated polymer doped in poly (vinyl alcohol) films. AIP Conference Proceedings, 2020, , . | 0.3 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Functionalization of ginger derived nanoparticles with chitosan to design drug delivery system for controlled release of 5-amino salicylic acid (5-ASA) in treatment of inflammatory bowel diseases: An in vitro study. <i>Reactive and Functional Polymers</i> , 2020, 149, 104520. | 2.0 | 26 |
| 20 | Predictions of Drug-Protein Interactions and Study of Magnetically Assisted Release Dynamics of 5-Fluorouracil from Soya Protein-Coated Iron Oxide Core-Shell Nanoparticles. <i>ACS Applied Bio Materials</i> , 2020, 3, 3170-3186. | 2.3 | 5 |
| 21 | Synthesis of Poly(2-Hydroxyethyl Methacrylate) (PHEMA)-Based Superparamagnetic Nanoparticles for Biomedical and Pharmaceutical Applications. <i>Methods in Molecular Biology</i> , 2020, 2118, 165-174. | 0.4 | 3 |
| 22 | Designing Cellulose Acetate - Polyacrylamide Semi-Interpenetrating Polymer Networks and Evaluation of their Protein Retention Behavior. <i>Polymer-Plastics Technology and Materials</i> , 2019, 58, 519-536. | 0.6 | 0 |
| 23 | Solubility behavior of poly (diaminonaphthalene) doped poly (vinyl alcohol) films in different solvents and structural and electrical characterization of corresponding films. <i>Materials Research Express</i> , 2019, 6, 105330. | 0.8 | 4 |
| 24 | CdSe QDs reinforced poly(1, 8 diaminonaphthalene) (PDAN) offers improved thermal and AC conductivity properties. <i>SN Applied Sciences</i> , 2019, 1, 1. | 1.5 | 3 |
| 25 | Facile Synthesis of Silver Hydroxyapatite (AgHAP) Reinforced Nanocomposites of Poly (styrene)-Poly (methyl methacrylate) and Study of Their Mechanical and Blood-Compatible Behavior. <i>ChemistrySelect</i> , 2019, 4, 10983-10994. | 0.7 | 1 |
| 26 | Facile preparation of ionotropically crosslinked chitosan-alginate nanosorbents by water-in-oil (W/O) microemulsion technique: Optimization and study of arsenic (V) removal. <i>Journal of Water Process Engineering</i> , 2019, 32, 100920. | 2.6 | 18 |
| 27 | Nano-silver hydroxyapatite based antibacterial 3D scaffolds of gelatin/alginate/poly (vinyl alcohol) for bone tissue engineering applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 177, 211-218. | 2.5 | 78 |
| 28 | Analysis of topographical parameters and interfacial interaction of zinc oxide reinforced poly (vinyl) Structures Nano Objects, 2019, 18, 100308. | 1.9 | 18 |
| 29 | Static and Dynamic Studies on Removal of Chlorophenol from Aqueous Solutions Using Chitosan-Carbon Nanocomposites. <i>Analytical Chemistry Letters</i> , 2019, 9, 32-49. | 0.4 | 2 |
| 30 | Study on facile designing, swelling properties and structural relationship of gelatin nanoparticles. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2019, 56, 206-214. | 1.2 | 10 |
| 31 | CdSe Reinforced Polyaniline Nanocomposites as Superior Material for Future Applications as Gas Sensor and Diodes. <i>Materials Research Express</i> , 2019, 6, 1250a9. | 0.8 | 7 |
| 32 | Silver hydroxyapatite reinforced poly(vinyl alcohol)-starch cryogel nanocomposites and study of biodegradation, compressive strength and antibacterial activity. <i>Polymer Engineering and Science</i> , 2019, 59, 254-263. | 1.5 | 13 |
| 33 | Structural, morphological and electrical studies of poly (1, 8-diaminonaphthalene)/CdSe(S) nanocomposites for charge storage applications. <i>Materials Research Express</i> , 2019, 6, 045033. | 0.8 | 2 |
| 34 | Designing kaolin-reinforced bionanocomposites of poly(vinyl alcohol)/gelatin and study of their mechanical and water vapor transmission behavior. <i>Polymer Bulletin</i> , 2019, 76, 5791-5811. | 1.7 | 11 |
| 35 | Synthesis and characterization of amoxicillin loaded poly (vinyl alcohol)-g-poly (acrylamide) (PVA-g-PAM) hydrogels and study of swelling triggered release of antibiotic drug. <i>Polymer Bulletin</i> , 2019, 76, 3269-3295. | 1.7 | 12 |
| 36 | Structure and topography of thermally reduced graphene oxide reinforced poly(vinyl alcohol)-g-poly (acrylamide) (PVA-g-PAM) hydrogels and study of swelling triggered release of antibiotic drug. <i>Polymer Bulletin</i> , 2019, 76, 3269-3295. | 2.3 | 5 |

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|----|--|-----|-----------|
| 37 | Poly (vinyl alcohol) supported thermally reduced graphene oxide (TRGO) nanosheets exhibit enhanced electrical and mechanical behavior. Nano Structures Nano Objects, 2018, 14, 73-83. | 1.9 | 11 |
| 38 | Easy fabrication and characterization of gelatin nanocarriers and in vitro investigation of swelling controlled release dynamics of paclitaxel. Polymer Bulletin, 2018, 75, 4691-4711. | 1.7 | 24 |
| 39 | Analyzing p-type Conjugated Conducting Poly (diaminonaphthalene) Doped Poly (vinyl alcohol) Bulk Hetrojunction Film for Organic Solar Cells. Materials Today: Proceedings, 2018, 5, 1673-1678. | 0.9 | 4 |
| 40 | Poly (acrylic acid) grafted gelatin nanocarriers as swelling controlled drug delivery system for optimized release of paclitaxel from modified gelatin. Journal of Drug Delivery Science and Technology, 2018, 45, 323-333. | 1.4 | 25 |
| 41 | Study of Mechanical, Optical, and Electrical Behaviors of Calcium Alginate/Poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 582 | 1.0 | 14 |
| 42 | Soya protein as possible potential nanocarriers for <i>in-vitro</i> oral delivery of insulin in simulated gastric fluids (SGFs). International Journal of Polymeric Materials and Polymeric Biomaterials, 2018, 67, 340-350. | 1.8 | 2 |
| 43 | Designing vanadium pentoxide-carboxymethyl cellulose/polyvinyl alcohol-based bionanocomposite films and study of their structure, topography, mechanical, electrical and optical behavior. Polymer Bulletin, 2018, 75, 781-807. | 1.7 | 17 |
| 44 | Cationic Nanosorbents Biopolymers: Versatile Materials for Environmental Cleanup. Springer Series on Polymer and Composite Materials, 2018, , 75-101. | 0.5 | 2 |
| 45 | Alginate-Based Nanosorbents for Water Remediation. Springer Series on Polymer and Composite Materials, 2018, , 103-121. | 0.5 | 0 |
| 46 | Advances in bionanocomposites for biomedical applications. , 2018, , 379-399. | | 3 |
| 47 | Magnetically responsive release of 5-FU from superparamagnetic egg albumin coated iron oxide core-shell nanoparticles. Journal of Drug Delivery Science and Technology, 2018, 47, 240-253. | 1.4 | 9 |
| 48 | Fundamentals of bionanocomposites. , 2018, , 351-377. | | 7 |
| 49 | Graphene coated iron oxide (GCIO) nanoparticles as efficient adsorbent for removal of chromium ions: Preparation, characterization and batch adsorption studies. Environmental Nanotechnology, Monitoring and Management, 2018, 10, 148-162. | 1.7 | 23 |
| 50 | Topological and morphological analysis of gamma rays irradiated chitosan-poly (vinyl alcohol) blends using atomic force microscopy. Radiation Physics and Chemistry, 2017, 133, 81-85. | 1.4 | 5 |
| 51 | Time of Flight Secondary Ion Mass Spectrometry (ToF-SIMS) enabled analysis of inter-polymer phases formation in poly (diaminonaphthalene) doped conducting poly (vinyl alcohol) films. Polymer, 2017, 110, 211-217. | 1.8 | 6 |
| 52 | Mechanical and UV absorption behavior of zinc oxide nanoparticles: reinforced poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td | 1.7 | 11 |
| 53 | Assessment of Water Retention Performance of Pectin-Based Nanocarriers for Controlled Irrigation in Agriculture. Agricultural Research, 2017, 6, 139-149. | 0.9 | 10 |
| 54 | Synthesis, Characterization, and Adsorption Properties of a Graphene Composite Sand (GCS) and Its Application in Remediation of Hg(II) Ions. Water, Air, and Soil Pollution, 2017, 228, 1. | 1.1 | 13 |

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| 55 | Facile preparation of iron loaded calcium alginate nanocarriers and study of controlled release of iron. Journal of Environmental Chemical Engineering, 2017, 5, 5337-5346. | 3.3 | 16 |
| 56 | Structural, morphological and thermal characterization of poly (2-hydroxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (methacryl cytotoxicity. Journal of Polymer Research, 2017, 24, 1. | 1.2 | 6 |
| 57 | Reverse indentation size effects in gamma irradiated blood compatible blend films of chitosan-poly (vinyl alcohol) for possible medical applications. Materials Science and Engineering C, 2017, 71, 982-993. | 3.8 | 21 |
| 58 | Designing of silk and ZnO based antibacterial and noncytotoxic bionanocomposite films and study of their mechanical and UV absorption behavior. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 65, 281-294. | 1.5 | 24 |
| 59 | Improving mechanical and electrical properties of poly(vinyl alcohol-g-acrylic acid) nanocomposite films by reinforcement of thermally reduced graphene oxide. Polymer Science - Series A, 2017, 59, 751-763. | 0.4 | 7 |
| 60 | Chitosan-alginate nanoparticles (CANPs) as potential nanosorbent for removal of Hg (II) ions. Environmental Nanotechnology, Monitoring and Management, 2016, 6, 32-44. | 1.7 | 71 |
| 61 | Evaluation of poly (vinyl alcohol) based cryogelâ€“zinc oxide nanocomposites for possible applications as wound dressing materials. Materials Science and Engineering C, 2016, 65, 408-418. | 3.8 | 78 |
| 62 | Investigation of <i>In Vitro</i> Release of Cisplatin from Electrostatically Crosslinked Chitosan-Alginate Nanoparticles. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2016, 46, 1532-1540. | 0.6 | 9 |
| 63 | Atomic force microscopy enabled roughness analysis of nanostructured poly (diaminonaphthalene) doped poly (vinyl alcohol) conducting polymer thin films. Micron, 2016, 90, 12-17. | 1.1 | 42 |
| 64 | Genipin-modified gelatin nanocarriers as swelling controlled drug delivery system for in vitro release of cytarabine. Materials Science and Engineering C, 2016, 61, 457-465. | 3.8 | 60 |
| 65 | Structural, morphological, thermal and mechanical characterization of cellulose acetateâ€“poly (acrylonitrile) semi interpenetrating polymer network (IPN) membranes and study of their swelling behavior. Polymer Bulletin, 2016, 73, 2245-2264. | 1.7 | 8 |
| 66 | Optimizing the release process and modelling of in vitro release data of cis -dichlorodiamminoplatinum (II) encapsulated into poly(2-hydroxyethyl methacrylate) nanocarriers. Materials Science and Engineering C, 2016, 58, 852-862. | 3.8 | 12 |
| 67 | Removal of noxious Cr (VI) ions using single-walled carbon nanotubes and multi-walled carbon nanotubes. Chemical Engineering Journal, 2015, 279, 344-352. | 6.6 | 198 |
| 68 | Preparation and characterization of poly(vinyl alcohol) cryogel-silver nanocomposites and evaluation of blood compatibility, cytotoxicity, and antimicrobial behaviors. Polymer Composites, 2015, 36, 1983-1997. | 2.3 | 26 |
| 69 | Green synthesis of graphene sand composite (GSC) as novel adsorbent for efficient removal of Cr (VI) ions from aqueous solution. Journal of Water Process Engineering, 2015, 5, 83-94. | 2.6 | 104 |
| 70 | Designing casein-coated iron oxide nanostructures (CCIONPs) as superparamagnetic coreâ€“shell carriers for magnetic drug targeting. Progress in Biomaterials, 2015, 4, 39-53. | 1.8 | 34 |
| 71 | Antimicrobial poly(vinyl alcohol) cryogelâ€“copper nanocomposites for possible applications in biomedical fields. Designed Monomers and Polymers, 2015, 18, 385-400. | 0.7 | 19 |
| 72 | Investigation of UV absorption and antibacterial behavior of zinc oxide containing poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T | 1.1 | 15 |

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|----|--|-----|-----------|
| 73 | Investigation of magnetically controlled water intake behavior of Iron Oxide Impregnated Superparamagnetic Casein Nanoparticles (IOICNPs). Journal of Nanobiotechnology, 2014, 12, 38. | 4.2 | 18 |
| 74 | Preparation and characterizations of superparamagnetic iron oxide-embedded poly(2-hydroxyethyl methacrylate) hydrogels. Journal of Polymer Research, 2014, 21, 1. | 1.3 | 13 |
| 75 | Removal of malachite green from aqueous solution using nano-iron oxide-loaded alginate microspheres: batch and column studies. Research on Chemical Intermediates, 2014, 40, 913-930. | 1.3 | 33 |
| 76 | Controlled pesticide release from biodegradable polymers. Open Chemistry, 2014, 12, 453-469. | 1.0 | 164 |
| 77 | Development of Savlon Containing Polyvinyl Alcohol Based Cryogels as Potential Biomaterials for Burn Healing Applications. International Journal of Polymeric Materials and Polymeric Biomaterials, 2014, 63, 380-387. | 1.8 | 3 |
| 78 | Designing slow water-releasing alginate nanoreservoirs for sustained irrigation in scanty rainfall areas. Carbohydrate Polymers, 2014, 102, 513-520. | 5.1 | 21 |
| 79 | Polyacrylonitrile reinforced PVA based-polymeric networks: Structural, morphological, and mechanical aspects. Polymer Engineering and Science, 2014, 54, 2579-2586. | 1.5 | 2 |
| 80 | Calcium alginate nanocarriers as possible vehicles for oral delivery of insulin. Journal of Experimental Nanoscience, 2014, 9, 337-356. | 1.3 | 30 |
| 81 | An In Vitro Experimental Approach to Study Magnetically Targeted Release of Methotrexate From Superparamagnetic Starch Nanocarriers. International Journal of Polymeric Materials and Polymeric Biomaterials, 2014, 63, 941-950. | 1.8 | 8 |
| 82 | The biocompatibility and water uptake behavior of superparamagnetic poly(2-Hydroxyethyl methacrylate) hydrogels for drug delivery system. Journal of Polymer Research, 2014, 21, 1. | 1.2 | 13 |
| 83 | Cumulative release of cefotaxim from interpenetrating networks of poly(vinyl alcohol-g-acrylamide) and chitosan-g-polyacrylamide chains. Polymer Bulletin, 2014, 71, 977-988. | 1.7 | 9 |
| 84 | Iron crosslinked alginate as novel nanosorbents for removal of arsenic ions and bacteriological contamination from water. Journal of Materials Research and Technology, 2014, 3, 195-202. | 2.6 | 47 |
| 85 | Nano-iron oxide-encapsulated chitosan microspheres as novel adsorbent for removal of Ni (II) ions from aqueous solution. Research on Chemical Intermediates, 2013, 39, 2989-3009. | 1.3 | 9 |
| 86 | Plaster of Paris-Reinforced Nanocomposites of Poly (2-hydroxyethyl Methacrylate-Co-acrylamide) as Alternative Orthopedic Material. Polymer-Plastics Technology and Engineering, 2013, 52, 133-140. | 1.9 | 7 |
| 87 | Water Sorption and Biocompatibility Evaluation of Poly(Vinyl Alcohol-g-Acrylonitrile) Based Hydrogels. Soft Materials, 2013, 11, 221-230. | 0.8 | 4 |
| 88 | Investigation of magnetically enhanced swelling behaviour of superparamagnetic starch nanoparticles. Bulletin of Materials Science, 2013, 36, 15-24. | 0.8 | 26 |
| 89 | Designing polyethylene glycol (PEG) plasticized membranes of poly(vinyl alcohol-g-methyl methacrylate) copolymers. Journal of Polymer Science: Part A: Polymer Chemistry, 2013, 51, 784-791. | 0.7 | 24 |
| 90 | Investigation of electroactive behaviour of polyaniline containing polyelectrolyte nanocomposite membranes. Nanoscience Methods, 2012, 1, 164-182. | 1.0 | 5 |

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| 91 | Synthesis of Poly (2-Hydroxyethyl Methacrylate) (PHEMA) Based Nanoparticles for Biomedical and Pharmaceutical Applications. , 2012, 906, 321-328. | | 13 |
| 92 | Fabrication of Interpenetrating Networks of Poly (vinyl alcohol-g-acrylamide) and Chitosan-g-polyacrylamide Chains and Evaluation of Water Sorption, Blood Compatibility and Cytotoxicity Behaviors. Polymer-Plastics Technology and Engineering, 2012, 51, 1443-1450. | 1.9 | 16 |
| 93 | Superparamagnetic Nanocomposites of Poly(vinyl alcohol-g-acrylonitrile) as Carrier for Magnetically Assisted Release of Ciprofloxacin. Macromolecular Symposia, 2012, 315, 73-83. | 0.4 | 2 |
| 94 | Synthesis and characterization of polyvinyl alcohol based semi interpenetrating polymeric networks. Journal of Polymer Research, 2012, 19, 1. | 1.2 | 23 |
| 95 | Magnetically controlled release of cisplatin from superparamagnetic starch nanoparticles. Carbohydrate Polymers, 2012, 87, 300-308. | 5.1 | 91 |
| 96 | Investigation of Water Sorption and Blood Compatible Behaviors of Polyethylene Glycol (PEG)-Plasticized Membranes of Poly(Vinyl Alcohol-g-Acrylonitrile). Advanced Science, Engineering and Medicine, 2012, 4, 469-478. | 0.3 | 2 |
| 97 | Biosorption of chromium(VI) ions from aqueous solutions by iron oxide-impregnated alginate nanocomposites: batch and column studies. Toxicological and Environmental Chemistry, 2011, 93, 1277-1297. | 0.6 | 11 |
| 98 | Magnetically Guided Release of Ciprofloxacin from Superparamagnetic Polymer Nanocomposites. Journal of Biomaterials Science, Polymer Edition, 2011, 22, 893-918. | 1.9 | 47 |
| 99 | Removal of Chromium(VI) Ions by Adsorption onto Binary Biopolymeric Beads of Sodium Alginate and Carboxymethyl Cellulose. Journal of Dispersion Science and Technology, 2011, 32, 1075-1082. | 1.3 | 25 |
| 100 | Evaluation of starch based cryogels as potential biomaterials for controlled release of antibiotic drugs. Bulletin of Materials Science, 2011, 34, 1739-1748. | 0.8 | 17 |
| 101 | Magnetically mediated release of ciprofloxacin from polyvinyl alcohol based superparamagnetic nanocomposites. Journal of Materials Science: Materials in Medicine, 2011, 22, 357-369. | 1.7 | 43 |
| 102 | Cryogenic fabrication of savlon loaded macroporous blends of alginate and polyvinyl alcohol (PVA). Swelling, deswelling and antibacterial behaviors. Carbohydrate Polymers, 2011, 83, 876-882. | 5.1 | 77 |
| 103 | Designing Gelatin Based Blood Compatible Materials with Hydrophilic and Hydrophobic Macromolecular Chains. Journal of Dispersion Science and Technology, 2011, 32, 1032-1040. | 1.3 | 2 |
| 104 | Dynamic Column Adsorption Studies of Toxic Cr(VI) Ions onto Iron Oxide Loaded Gelatin Nanoparticles. Journal of Dispersion Science and Technology, 2011, 32, 1353-1362. | 1.3 | 34 |
| 105 | Designing polysaccharide-based antibacterial biomaterials for wound healing applications. Biomatter, 2011, 1, 189-197. | 2.6 | 29 |
| 106 | Biosorption of As ³⁺ Ions Using Ternary Microspheres of Chitosan, Yeast, and Gelatin: A Dynamic and Equilibrium Investigation. Journal of Dispersion Science and Technology, 2011, 32, 1556-1565. | 1.3 | 1 |
| 107 | Adsorption of Chromium on Composite Microspheres of Chitosan and Nano Iron Oxide. Journal of Dispersion Science and Technology, 2011, 32, 1661-1667. | 1.3 | 7 |
| 108 | Synthesis and characterization of magnetite (Fe ₃ O ₄)-Polyvinyl alcohol based nanocomposites and study of superparamagnetism. Polymer Composites, 2010, 31, 245-255. | 2.3 | 14 |

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|-----|---|-----|-----------|
| 109 | Designing high performance biomaterials with architectural manipulation. <i>Materials Technology</i> , 2010, 25, 177-183. | 1.5 | 1 |
| 110 | Release dynamics of ciprofloxacin from swellable nanocarriers of poly(2-hydroxyethyl methacrylate): an in vitro study. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2010, 6, 453-462. | 1.7 | 71 |
| 111 | Investigation on magnetically controlled delivery of doxorubicin from superparamagnetic nanocarriers of gelatin crosslinked with genipin. <i>Journal of Materials Science: Materials in Medicine</i> , 2010, 21, 1573-1586. | 1.7 | 57 |
| 112 | γ -Radiation Assisted Fabrication of Hydroxyapatite-Polyacrylamide Nanocomposites with Possible Application in Bone Implantology. <i>Journal of Composite Materials</i> , 2010, 44, 757-778. | 1.2 | 12 |
| 113 | Novel Synthesis of Polypyrrole Reinforced Nanocomposites and Evaluation of Water Uptake and Blood Compatible Behaviors. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2010, 48, 9-20. | 1.2 | 1 |
| 114 | Binary biopolymeric beads of alginate and carboxymethyl cellulose as potential adsorbent for removal of cobalt (II) ions: A dynamic and equilibrium study. <i>Toxicological and Environmental Chemistry</i> , 2010, 92, 211-222. | 0.6 | 3 |
| 115 | Adsorption of Hg(II) Ions onto Binary Biopolymeric Beads of Carboxymethyl Cellulose and Alginate. <i>Journal of Dispersion Science and Technology</i> , 2010, 31, 844-851. | 1.3 | 18 |
| 116 | Synthesis of Iron Oxide Based Gelatin Nanocomposites and their Applications in Removal of Cr (VI) Ions from Aqueous Solutions. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2010, 48, 47-56. | 1.2 | 7 |
| 117 | A Facile Approach to Design Plaster of Paris Based Polymer Nanocomposites for Possible Use as Bone Implants. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2010, 47, 849-860. | 1.2 | 5 |
| 118 | Studies on Mechanical and Antithrombogenic Behaviors of Polyvinyl Alcohol and Gelatin Based Novel Binary Polymer Blends with Grafted Polyacrylamide Chains. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2010, 47, 697-707. | 1.2 | 0 |
| 119 | Designing Polyaniline (PANI) and Polyvinyl Alcohol (PVA) Based Electrically Conductive Nanocomposites: Preparation, Characterization and Blood Compatible Study. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2009, 46, 774-782. | 1.2 | 26 |
| 120 | Removal of arsenic ions from aqueous solutions by adsorption onto biopolymeric crosslinked calcium alginate beads. <i>Toxicological and Environmental Chemistry</i> , 2009, 91, 1055-1067. | 0.6 | 11 |
| 121 | Removal of Cobalt Ions from Aqueous Solution by Adsorption onto Cross-Linked Calcium Alginate Beads. <i>Journal of Dispersion Science and Technology</i> , 2009, 30, 56-60. | 1.3 | 16 |
| 122 | Self assembled hydrophobic nanoclusters of poly(methyl methacrylate) embedded into polyvinyl alcohol based hydrophilic matrix: Preparation and water sorption study. <i>Journal of Applied Polymer Science</i> , 2009, 111, 1300-1310. | 1.3 | 8 |
| 123 | Evaluation of water sorption behavior and <i>in vitro</i> blood compatibility of polyvinyl alcohol based magnetic bionanocomposites. <i>Journal of Applied Polymer Science</i> , 2009, 114, 3548-3560. | 1.3 | 5 |
| 124 | An <i>in vitro</i> release study of 5-fluoro-uracil (5-FU) from swellable poly-(2-hydroxyethyl methacrylate) (PHEMA) nanoparticles. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 1103-1114. | 1.7 | 43 |
| 125 | Designing of macroporous biocompatible cryogels of PVA-haemoglobin and their water sorption study. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 2063-2074. | 1.7 | 18 |
| 126 | Development of poly(acrylamide)-hydroxyapatite composites as bone substitutes: Study of mechanical and blood compatible behavior. <i>Polymer Composites</i> , 2009, 30, 1532-1543. | 2.3 | 10 |

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|-----|---|------|-----------|
| 127 | Real time in vitro studies of doxorubicin release from PHEMA nanoparticles. Journal of Nanobiotechnology, 2009, 7, 5. | 4.2 | 90 |
| 128 | Dynamics of controlled release of chlorpyrifos from swelling and eroding biopolymeric microspheres of calcium alginate and starch. Carbohydrate Polymers, 2009, 76, 222-231. | 5.1 | 111 |
| 129 | Cryogenic Designing of Biocompatible Blends of Polyvinyl alcohol and Starch with Macroporous Architecture. Journal of Macromolecular Science - Pure and Applied Chemistry, 2009, 46, 1060-1068. | 1.2 | 22 |
| 130 | Dynamic and Equilibrium Studies on Adsorption of Cu(II) Ions onto Biopolymeric Cross-Linked Pectin and Alginate Beads. Journal of Dispersion Science and Technology, 2009, 30, 1208-1215. | 1.3 | 12 |
| 131 | Designing Swellable Beads of Alginate and Gelatin for Controlled Release of Pesticide (Cypermethrin). Journal of Macromolecular Science - Pure and Applied Chemistry, 2009, 46, 847-859. | 1.2 | 27 |
| 132 | Designing Gelatin Nanocarriers as a Swellable System for Controlled Release of Insulin: An <i>In-Vitro</i> Kinetic Study. Journal of Macromolecular Science - Pure and Applied Chemistry, 2009, 47, 119-130. | 1.2 | 28 |
| 133 | Fibrinogen adsorption onto macroporous polymeric surfaces: correlation with biocompatibility aspects. Journal of Materials Science: Materials in Medicine, 2008, 19, 343-357. | 1.7 | 21 |
| 134 | Carboxymethyl cellulose (CMC) based semi-IPNs as carriers for controlled release of ciprofloxacin: an in-vitro dynamic study. Journal of Materials Science: Materials in Medicine, 2008, 19, 2121-2130. | 1.7 | 22 |
| 135 | Evaluation of water sorption property and <i>in vitro</i> blood compatibility of poly(2-hydroxyethyl methacrylate)-silica nanocomposites. Journal of Materials Science: Materials in Medicine, 2008, 19, 1921-1933. | 1.7 | 15 |
| 136 | Dynamics of blood proteins adsorption onto poly(2-hydroxyethyl methacrylate)-silica nanocomposites: Correlation with biocompatibility. Journal of Applied Polymer Science, 2008, 107, 541-553. | 1.3 | 7 |
| 137 | Responsive polymers in controlled drug delivery. Progress in Polymer Science, 2008, 33, 1088-1118. | 11.8 | 1,161 |
| 138 | Preparation and characterization of electrically conductive composites of poly(vinyl alcohol)-silica. Polymer Letters, 2008, 2, 26-39. | 1.1 | 50 |
| 139 | Influence of gelatin on the properties of hydroxyapatite-polyacrylamide nanocomposite as a potential bone substitute. Composite Interfaces, 2008, 15, 709-729. | 1.3 | 3 |
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