

Harpal Singh

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68

papers

1,128

citations

20

h-index

29

g-index

73

ext. papers

1,296

ext. citations

5

avg, IF

4.29

L-index

#	Paper	IF	Citations
68	Highly sensitive detection of Salmonella typhi using surface aminated polycarbonate membrane enhanced-ELISA. <i>Biosensors and Bioelectronics</i> , 2012 , 31, 37-43	11.8	65
67	Cellular interaction of folic acid conjugated superparamagnetic iron oxide nanoparticles and its use as contrast agent for targeted magnetic imaging of tumor cells. <i>International Journal of Nanomedicine</i> , 2012 , 7, 3503-16	7.3	50
66	Development of PEGDMA: MAA based hydrogel microparticles for oral insulin delivery. <i>International Journal of Pharmaceutics</i> , 2006 , 323, 117-24	6.5	48
65	Novel polymeric nanoparticles for intracellular delivery of peptide Cargos: antitumor efficacy of the BCL-2 conversion peptide NuBCP-9. <i>Cancer Research</i> , 2014 , 74, 3271-81	10.1	44
64	Surface modification of cellulose filter paper by glycidyl methacrylate grafting for biomolecule immobilization: Influence of grafting parameters and urease immobilization. <i>Journal of Applied Polymer Science</i> , 2009 , 111, 1381-1390	2.9	43
63	Preparation of iodine containing quaternary amine methacrylate copolymers and their contact killing antimicrobial properties. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 1038-1044	2.9	43
62	Intracellular Targeting of the Oncogenic MUC1-C Protein with a Novel GO-203 Nanoparticle Formulation. <i>Clinical Cancer Research</i> , 2015 , 21, 2338-47	12.9	37
61	Functionalized polymeric magnetic nanoparticle assisted SERS immunosensor for the sensitive detection of S. Typhimurium. <i>Analytica Chimica Acta</i> , 2019 , 1067, 98-106	6.6	36
60	Development of antimicrobial polypropylene sutures by graft polymerization. I. Influence of grafting conditions and characterization. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 3895-3901	2.9	36
59	Development of antimicrobial polypropylene sutures by graft copolymerization. II. Evaluation of physical properties, drug release, and antimicrobial activity. <i>Journal of Applied Polymer Science</i> , 2007 , 103, 3534-3538	2.9	33
58	pH-Sensitive Biocompatible Nanoparticles of Paclitaxel-Conjugated Poly(styrene-co-maleic acid) for Anticancer Drug Delivery in Solid Tumors of Syngeneic Mice. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 26530-48	9.5	32
57	Surface modification of polyacrylonitrile fiber for immobilization of antibodies and detection of analyte. <i>Analytica Chimica Acta</i> , 2009 , 654, 103-10	6.6	32
56	Sensitive detection of food-borne pathogen Salmonella by modified PAN fibers-immunoassay. <i>Biosensors and Bioelectronics</i> , 2013 , 45, 274-80	11.8	31
55	Preparation of antimicrobial sutures by preirradiation grafting onto polypropylene monofilament. <i>Polymers for Advanced Technologies</i> , 2008 , 19, 1698-1703	3.2	29
54	Linear short histidine and cysteine modified arginine peptides constitute a potential class of DNA delivery agents. <i>Molecular Pharmaceutics</i> , 2014 , 11, 683-96	5.6	26
53	Preparation of antimicrobial sutures by preirradiation grafting of acrylonitrile onto polypropylene monofilament. III. Hydrolysis of the grafted suture. <i>Journal of Applied Polymer Science</i> , 2004 , 94, 2509-2518	2.9	23
52	Radiation grafting of acrylic acid onto poly(ethylene terephthalate) fabric. <i>Journal of Applied Polymer Science</i> , 2009 , 112, 1199-1208	2.9	22

51	Development of Membranes by Radiation-Induced Graft Polymerization of Monomers onto Polyethylene Films. <i>Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics</i> , 2004 , 44, 275-309		21
50	Targeting MUC1-C suppresses BCL2A1 in triple-negative breast cancer. <i>Signal Transduction and Targeted Therapy</i> , 2018 , 3, 13	21	20
49	In vivo evaluation of a conjugated poly(lactide-ethylene glycol) nanoparticle depot formulation for prolonged insulin delivery in the diabetic rabbit model. <i>International Journal of Nanomedicine</i> , 2013 , 8, 505-20	7.3	20
48	Evaluation of synergistic effect of biodegradable polymeric nanoparticles and aluminum based adjuvant for improving vaccine efficacy. <i>International Journal of Pharmaceutics</i> , 2014 , 471, 377-84	6.5	19
47	Intracellular delivery of peptide cargos using polyhydroxybutyrate based biodegradable nanoparticles: Studies on antitumor efficacy of BCL-2 converting peptide, NuBCP-9. <i>International Journal of Pharmaceutics</i> , 2016 , 511, 876-89	6.5	19
46	Formulation and characterization of antimicrobial quaternary ammonium dendrimer in poly(methyl methacrylate) bone cement. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017 , 105, 521-530	3.5	18
45	Preparation of antimicrobial sutures by preirradiation grafting of acrylonitrile onto polypropylene monofilament. II. Mechanical, physical, and thermal characteristics. <i>Journal of Applied Polymer Science</i> , 2004 , 93, 1224-1229	2.9	18
44	Absorbable Suture Materials: Preparation and Properties. <i>Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics</i> , 1988 , 28, 475-502		18
43	Sustained release of iodine from a polymeric hydrogel device for water disinfection. <i>Journal of Applied Polymer Science</i> , 2007 , 103, 3334-3340	2.9	17
42	Iron oxide labeling does not affect differentiation potential of human bone marrow mesenchymal stem cells exhibited by their differentiation into cardiac and neuronal cells. <i>Molecular and Cellular Biochemistry</i> , 2018 , 448, 17-26	4.2	16
41	Contact killing antimicrobial acrylic bone cements: preparation and characterization. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2007 , 18, 131-45	3.5	16
40	Radiation induced grafting of methacrylic acid onto silk for the immobilization of antimicrobial drug for sustained delivery. <i>Angewandte Makromolekulare Chemie</i> , 1989 , 172, 87-102		16
39	Novel functionalized fluorescent polymeric nanoparticles for immobilization of biomolecules. <i>Nanoscale</i> , 2013 , 5, 6883-92	7.7	15
38	MUC1-C drives stemness in progression of colitis to colorectal cancer. <i>JCI Insight</i> , 2020 , 5,	9.9	15
37	In Vitro and In Vivo Activities of a Bi-Aryl Oxazolidinone, RBx 11760, against Gram-Positive Bacteria. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 7134-7145	5.9	14
36	Systemic delivery of the tumor necrosis factor gene to tumors by a novel dual DNA-nanocomplex in a nanoparticle system. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017 , 13, 1833-1839	6	12
35	Concomitant Delivery of Paclitaxel and NuBCP-9 peptide for synergistic enhancement of cancer therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 1301-1313	6	12
34	Detection of bioconjugated quantum dots passivated with different ligands for bio-applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 3834-42	1.3	12

33	Comparative evaluation of glutamate-sensitive radiopharmaceuticals: Technetium-99m-glutamic acid and technetium-99m-diethylenetriaminepentaacetic acid-bis(glutamate) conjugate for tumor imaging. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2010 , 25, 645-55	3.9	11
32	Detection of anti-tetanus toxoid antibody on modified polyacrylonitrile fibers. <i>Talanta</i> , 2010 , 82, 1876-88.2		11
31	Synthesis and characterization of pH sensitive poly(PEGDMA-MAA) copolymeric microparticles for oral insulin delivery. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 863-871	2.9	11
30	Intracellular delivery of peptide cargos using iron oxide based nanoparticles: studies on antitumor efficacy of a BCL-2 converting peptide, NuBCP-9. <i>Nanoscale</i> , 2014 , 6, 14473-83	7.7	10
29	Design, synthesis, and antimycobacterial property of PEG-bis(INH) conjugates. <i>Chemical Biology and Drug Design</i> , 2012 , 80, 245-53	2.9	10
28	Synthesis, characterization, and antimicrobial properties of novel quaternary amine methacrylate copolymers. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 2861-2870	2.9	10
27	Scar free healing of full thickness diabetic wounds: A unique combination of silver nanoparticles as antimicrobial agent, calcium alginate nanoparticles as hemostatic agent, fresh blood as nutrient/growth factor supplier and chitosan as base matrix. <i>International Journal of Biological Macromolecules</i> , 2021 , 178, 41-52	7.9	10
26	Poly(PEGDMA-MAA) copolymeric micro and nanoparticles for oral insulin delivery. <i>Polymers for Advanced Technologies</i> , 2011 , 22, 1760-1767	3.2	9
25	Modification of LLDPE using esterified styrene maleic anhydride copolymer: Study of its properties and environmental degradability. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 102-108	2.9	9
24	Studies on grafting of methacrylic acid on to poly(vinyl chloride) films. <i>British Polymer Journal</i> , 1990 , 22, 89-95		9
23	In vivo efficacy and toxicity evaluation of polycaprolactone nanoparticles and aluminum based admixture formulation as vaccine delivery system. <i>Vaccine</i> , 2015 , 33, 5623-5632	4.1	8
22	Functionalized polymeric magnetic nanoconstructs for selective capturing and sensitive detection of Salmonella typhimurium. <i>Analytica Chimica Acta</i> , 2016 , 937, 127-35	6.6	8
21	Synthesis and characterization of a porous poly(hydroxyethylmethacrylate-co-ethylene glycol dimethacrylate)-based hydrogel device for the implantable delivery of insulin. <i>Journal of Applied Polymer Science</i> , 2012 , 126, 894-905	2.9	8
20	Synthesis and characterization of quaternary ammonium PEGDA dendritic copolymer networks for water disinfection. <i>Journal of Applied Polymer Science</i> , 2010 , 116, NA-NA	2.9	8
19	Preparation and characterization of antimicrobial, biodegradable, triclosan-incorporated polyhydroxybutyrate-co-valerate films for packaging applications. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46862	2.9	6
18	Radiation grafting of acrylic acid/N-vinyl pyrrolidone binary mixture onto poly(ethylene terephthalate) fabric and growth of human mesenchymal stem cell. <i>Journal of Applied Polymer Science</i> , 2010 , 115, 116-126	2.9	6
17	Antibacterial multifilament nylon sutures. <i>Biomaterials, Artificial Cells, and Immobilization Biotechnology: Official Journal of the International Society for Artificial Cells and Immobilization Biotechnology</i> , 1991 , 19, 631-48		6
16	Detection of Salmonella typhi utilizing bioconjugated fluorescent polymeric nanoparticles. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	6

15	Glycidyl methacrylate-co-N-vinyl-2-pyrrolidone coated polypropylene strips: synthesis, characterization and standardization for dot-enzyme linked immunosorbent assay. <i>Analytica Chimica Acta</i> , 2009 , 632, 256-65	6.6	5
14	Effects of synthesis conditions on radiation-induced graft copolymerization of methacrylic acid on to poly(vinyl chloride) films. <i>British Polymer Journal</i> , 1989 , 21, 467-471		5
13	Peptide-based combination nanoformulations for cancer therapy. <i>Nanomedicine</i> , 2020 , 15, 2201-2217	5.6	5
12	Comparative Analysis of Collagen and Chitosan-based Dressing for Haemostatic and Wound Healing Application. <i>AAPS PharmSciTech</i> , 2021 , 22, 76	3.9	5
11	Decorporation of Iron Metal Using Dialdehyde Cellulose-Deferoxamine Microcarrier. <i>AAPS PharmSciTech</i> , 2017 , 18, 156-165	3.9	4
10	Polymer functionalized magnetic nanoconstructs for immunomagnetic separation of analytes. <i>RSC Advances</i> , 2016 , 6, 66505-66515	3.7	4
9	BIOCONJUGATED QUANTUM DOTS BASED RAPID DETECTION OF PATHOGENIC BACTERIA FROM WATER SAMPLES. <i>International Journal of Nanoscience</i> , 2011 , 10, 199-203	0.6	3
8	Characterization of acrylic acid grafted poly(ethylene terephthalate) fabric. <i>Journal of Applied Polymer Science</i> , 2010 , 117, n/a-n/a	2.9	3
7	Preparation of hydrogel impregnated antimicrobial polyurethane foam for absorption of radionuclide contaminated blood and biological fluids. <i>Journal of Applied Polymer Science</i> , 2016 , 133,	2.9	2
6	Development and validation of dot-ELISA on modified cellulose filter paper: a simplified novel approach. <i>Analytical Methods</i> , 2014 , 6, 7374-7383	3.2	2
5	Development of antimicrobial polyacrylonitrile microspheres for water disinfection. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47968	2.9	1
4	In vivo efficacy and pharmacokinetics of bi-aryl oxazolidinone RBx 11760 loaded polylactic acid-polyethylene glycol nanoparticles in mouse hematogenous bronchopneumonia and rat groin abscess caused by <i>Staphylococcus aureus</i> . <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019 , 14, 1212-1227	6	1
3	Fabrication of Three-Dimensional Bioactive Composite Scaffolds for Hemostasis and Wound Healing. <i>AAPS PharmSciTech</i> , 2021 , 22, 138	3.9	0
2	Development and Evaluation of PLA Based Hybrid Block Copolymeric Nanoparticles for Systemic Delivery of Pirarubicin as an Anti-Cancer Agent.. <i>International Journal of Pharmaceutics</i> , 2022 , 121761	6.5	0
1	Homologous ELISA for detection of prednisolone in human serum. <i>Food and Agricultural Immunology</i> , 2018 , 29, 369-385	2.9	