Harpal Singh

List of Publications by Year
in descending order

72	1,486	304368 22	377514 34
papers	citations	h-index	g-index

73	73	73	2155
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Highly sensitive detection of Salmonella typhi using surface aminated polycarbonate membrane enhanced-ELISA. Biosensors and Bioelectronics, 2012, 31, 37-43.	5.3	72
2	Development of PEGDMA: MAA based hydrogel microparticles for oral insulin delivery. International Journal of Pharmaceutics, 2006, 323, 117-124.	2.6	63
3	Novel Polymeric Nanoparticles for Intracellular Delivery of Peptide Cargos: Antitumor Efficacy of the BCL-2 Conversion Peptide NuBCP-9. Cancer Research, 2014, 74, 3271-3281.	0.4	56
4	Cellular interaction of folic acid conjugated superparamagnetic iron oxide nanoparticles and its use as contrast agent for targeted magnetic imaging of tumor cells. International Journal of Nanomedicine, 2012, 7, 3503.	3.3	54
5	Functionalized polymeric magnetic nanoparticle assisted SERS immunosensor for the sensitive detection of S.Atyphimurium. Analytica Chimica Acta, 2019, 1067, 98-106.	2.6	53
6	Intracellular Targeting of the Oncogenic MUC1-C Protein with a Novel GO-203 Nanoparticle Formulation. Clinical Cancer Research, 2015, 21, 2338-2347.	3.2	51
7	Surface modification of cellulose filter paper by glycidyl methacrylate grafting for biomolecule immobilization: Influence of grafting parameters and urease immobilization. Journal of Applied Polymer Science, 2009, 111, 1381-1390.	1.3	49
8	pH-Sensitive Biocompatible Nanoparticles of Paclitaxel-Conjugated Poly(styrene-co-maleic acid) for Anticancer Drug Delivery in Solid Tumors of Syngeneic Mice. ACS Applied Materials & Interfaces, 2015, 7, 26530-26548.	4.0	49
9	Preparation of iodine containing quaternary amine methacrylate copolymers and their contact killing antimicrobial properties. Journal of Applied Polymer Science, 2006, 102, 1038-1044.	1.3	46
10	Development of antimicrobial polypropylene sutures by graft polymerization. I. Influence of grafting conditions and characterization. Journal of Applied Polymer Science, 2006, 101, 3895-3901.	1.3	41
11	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. International Journal of Biological Macromolecules, 2021, 178, 41-52.	3.6	39
12	Surface modification of polyacrylonitrile fiber for immobilization of antibodies and detection of analyte. Analytica Chimica Acta, 2009, 654, 103-110.	2.6	37
13	Development of antimicrobial polypropylene sutures by graft copolymerization. II. Evaluation of physical properties, drug release, and antimicrobial activity. Journal of Applied Polymer Science, 2007, 103, 3534-3538.	1.3	36
14	Targeting MUC1-C suppresses BCL2A1 in triple-negative breast cancer. Signal Transduction and Targeted Therapy, 2018, 3, 13.	7.1	36
15	MUC1-C drives stemness in progression of colitis to colorectal cancer. JCI Insight, 2020, 5, .	2.3	36
16	Sensitive detection of food-borne pathogen Salmonella by modified PAN fibers-immunoassay. Biosensors and Bioelectronics, 2013, 45, 274-280.	5.3	35
17	Preparation of antimicrobial sutures by preirradiation grafting onto polypropylene monofilament. Polymers for Advanced Technologies, 2008, 19, 1698-1703.	1.6	32
18	Linear Short Histidine and Cysteine Modified Arginine Peptides Constitute a Potential Class of DNA Delivery Agents. Molecular Pharmaceutics, 2014, 11, 683-696.	2.3	31

#	Article	IF	Citations
19	Development of Membranes by Radiationâ€Induced Graft Polymerization of Monomers onto Polyethylene Films. Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics, 2004, 44, 275-309.	2.2	28
20	Formulation and characterization of antimicrobial quaternary ammonium dendrimer in poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5		26
21	Preparation of antimicrobial sutures by preirradiation grafting of acrylonitrile onto polypropylene monofilament. III. Hydrolysis of the grafted suture. Journal of Applied Polymer Science, 2004, 94, 2509-2516.	1.3	25
22	Absorbable Suture Materials: Preparation and Properties. Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics, 1988, 28, 475-502.	2.2	24
23	Intracellular delivery of peptide cargos using polyhydroxybutyrate based biodegradable nanoparticles: Studies on antitumor efficacy of BCL-2 converting peptide, NuBCP-9. International Journal of Pharmaceutics, 2016, 511, 876-889.	2.6	24
24	Radiation grafting of acrylic acid onto poly(ethylene terephthalate) fabric. Journal of Applied Polymer Science, 2009, 112, 1199-1208.	1.3	23
25	In Vitro and In Vivo Activities of a Bi-Aryl Oxazolidinone, RBx 11760, against Gram-Positive Bacteria. Antimicrobial Agents and Chemotherapy, 2016, 60, 7134-7145.	1.4	23
26	In vivo evaluation of a conjugated poly(lactide-ethylene glycol) nanoparticle depot formulation for prolonged insulin delivery in the diabetic rabbit model. International Journal of Nanomedicine, 2013, 8, 505.	3.3	22
27	Sustained release of iodine from a polymeric hydrogel device for water disinfection. Journal of Applied Polymer Science, 2007, 103, 3334-3340.	1.3	21
28	Evaluation of synergistic effect of biodegradable polymeric nanoparticles and aluminum based adjuvant for improving vaccine efficacy. International Journal of Pharmaceutics, 2014, 471, 377-384.	2.6	21
29	Concomitant Delivery of Paclitaxel and NuBCP-9 peptide for synergistic enhancement of cancer therapy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 1301-1313.	1.7	21
30	Peptide-based combination nanoformulations for cancer therapy. Nanomedicine, 2020, 15, 2201-2217.	1.7	21
31	Preparation of antimicrobial sutures by preirradiation grafting of acrylonitrile onto polypropylene monofilament. II. Mechanical, physical, and thermal characteristics. Journal of Applied Polymer Science, 2004, 93, 1224-1229.	1.3	20
32	Contact killing antimicrobial acrylic bone cements: preparation and characterization. Journal of Biomaterials Science, Polymer Edition, 2007, 18, 131-145.	1.9	19
33	Iron oxide labeling does not affect differentiation potential of human bone marrow mesenchymal stem cells exhibited by their differentiation into cardiac and neuronal cells. Molecular and Cellular Biochemistry, 2018, 448, 17-26.	1.4	19
34	Title is missing!. Angewandte Makromolekulare Chemie, 1989, 172, 87-102.	0.3	18
35	Synthesis and characterization of quaternary ammonium PEGDA dendritic copolymer networks for water disinfection. Journal of Applied Polymer Science, 2010, 116, 1640-1649.	1.3	18
36	Comparative Analysis of Collagen and Chitosan-based Dressing for Haemostatic and Wound Healing Application. AAPS PharmSciTech, 2021, 22, 76.	1.5	16

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37	Novel functionalized fluorescent polymeric nanoparticles for immobilization of biomolecules. Nanoscale, 2013, 5, 6883.	2.8	15
38	Synthesis and characterization of pH sensitive poly(PEGDMAâ€MAA) copolymeric microparticles for oral insulin delivery. Journal of Applied Polymer Science, 2008, 107, 863-871.	1.3	13
39	Poly(PEGDMAâ€MAA) copolymeric micro and nanoparticles for oral insulin delivery. Polymers for Advanced Technologies, 2011, 22, 1760-1767.	1.6	13
40	Detection of Bioconjugated Quantum Dots Passivated with Different Ligands for Bio-Applications. Journal of Nanoscience and Nanotechnology, 2011, 11, 3834-3842.	0.9	13
41	In vivo efficacy and toxicity evaluation of polycaprolactone nanoparticles and aluminum based admixture formulation as vaccine delivery system. Vaccine, 2015, 33, 5623-5632.	1.7	13
42	Systemic delivery of the tumor necrosis factor gene to tumors by a novel dual DNA-nanocomplex in a nanoparticle system. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 1833-1839.	1.7	13
43	Preparation and characterization of antimicrobial, biodegradable, triclosanâ€incorporated polyhydroxybutyrateâ€coâ€valerate films for packaging applications. Journal of Applied Polymer Science, 2018, 135, 46862.	1.3	13
44	Modification of LLDPE using esterified styrene maleic anhydride copolymer: Study of its properties and environmental degradability. Journal of Applied Polymer Science, 2004, 92, 102-108.	1.3	12
45	Detection of anti-tetanus toxoid antibody on modified polyacrylonitrile fibers. Talanta, 2010, 82, 1876-1883.	2.9	12
46	Functionalized polymeric magnetic nanoconstructs for selective capturing and sensitive detection of Salmonella typhimurium. Analytica Chimica Acta, 2016, 937, 127-135.	2.6	12
47	Comparative Evaluation of Glutamate-Sensitive Radiopharmaceuticals: Technetium-99mâ€“Glutamic Acid and Technetium-99mâ€“Diethylenetriaminepentaacetic Acidâ€“bis(Glutamate) Conjugate for Tumor Imaging. Cancer Biotherapy and Radiopharmaceuticals, 2010, 25, 645-655.	0.7	11
48	Synthesis and characterization of a porous poly(hydroxyethylmethacrylateâ€coâ€ethylene glycol) Tj ETQq0 0 0 rgBT /Overlock 10 Polymer Science, 2012, 126, 894-905.	1.3	11
49	Design, Synthesis, and Antimycobacterial Property of PEGâ€“bis(INH) Conjugates. Chemical Biology and Drug Design, 2012, 80, 245-253.	1.5	11
50	Intracellular delivery of peptide cargos using iron oxide based nanoparticles: studies on antitumor efficacy of a BCL-2 converting peptide, NuBCP-9. Nanoscale, 2014, 6, 14473-14483.	2.8	11
51	Synthesis, characterization, and antimicrobial properties of novel quaternary amine methacrylate copolymers. Journal of Applied Polymer Science, 2008, 107, 2861-2870.	1.3	10
52	Carbon dots and graphene oxide based FRET immunosensor for sensitive detection of Helicobacter pylori. Analytical Biochemistry, 2022, 654, 114801.	1.1	10
53	Studies on grafting of methacrylic acid on to poly(vinyl chloride) films. British Polymer Journal, 1990, 22, 89-95.	0.7	9
54	Detection of Salmonella typhi utilizing bioconjugated fluorescent polymeric nanoparticles. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	9

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55	Radiation grafting of acrylic acid/Nâ€vinyl pyrrolidone binary mixture onto poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Science, 2010, 115, 116-126.	1.3	8
56	Fabrication of Three-Dimensional Bioactive Composite Scaffolds for Hemostasis and Wound Healing. AAPS PharmSciTech, 2021, 22, 138.	1.5	7
57	Antibacterial Multifilament Nylon Sutures. Biomaterials, Artificial Cells, and Immobilization Biotechnology: Official Journal of the International Society for Artificial Cells and Immobilization Biotechnology, 1991, 19, 631-648.	0.2	6
58	Glycidyl methacrylate-co-N-vinyl-2-pyrrolidone coated polypropylene strips: Synthesis, characterization and standardization for dot-enzyme linked immunosorbent assay. Analytica Chimica Acta, 2009, 632, 256-265.	2.6	6
59	Effects of synthesis conditions on radiation-induced graft copolymerization of methacrylic acid on to poly(vinyl chloride) films. British Polymer Journal, 1989, 21, 467-471.	0.7	5
60	Surface modification of nylon membrane by glycidyl methacrylate graft copolymerization for antibody immobilization. Journal of Applied Polymer Science, 2010, 116, 1700-1709.	1.3	5
61	Polymer functionalized magnetic nanoconstructs for immunomagnetic separation of analytes. RSC Advances, 2016, 6, 66505-66515.	1.7	5
62	Decorporation of Iron Metal Using Dialdehyde Cellulose-Deferoxamine Microcarrier. AAPS PharmSciTech, 2017, 18, 156-165.	1.5	5
63	Characterization of acrylic acid grafted poly(ethylene terephthalate) fabric. Journal of Applied Polymer Science, 2010, 117, 3498-3505.	1.3	4
64	Development and evaluation of PLA based hybrid block copolymeric nanoparticles for systemic delivery of pirarubicin as an anti-cancer agent. International Journal of Pharmaceutics, 2022, 620, 121761.	2.6	4
65	BIOCONJUGATED QUANTUM DOTS BASED RAPID DETECTION OF PATHOGENIC BACTERIA FROM WATER SAMPLES. International Journal of Nanoscience, 2011, 10, 199-203.	0.4	3
66	Preparation of hydrogel impregnated antimicrobial polyurethane foam for absorption of radionuclide contaminated blood and biological fluids. Journal of Applied Polymer Science, 2016, 133, .	1.3	3
67	Development and validation of dot-ELISA on modified cellulose filter paper: a simplified novel approach. Analytical Methods, 2014, 6, 7374-7383.	1.3	2
68	In vivo efficacy and pharmacokinetics of bi-aryl oxazolidinone RBx 11760 loaded polylactic acidâ€“polyethylene glycol nanoparticles in mouse hematogenous bronchopneumonia and rat groin abscess caused by Staphylococcus aureus. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 1213-1225.	1.7	2
69	Homologous ELISA for detection of prednisolone in human serum. Food and Agricultural Immunology, 2018, 29, 369-385.	0.7	2
70	Tumor cell targetting using folate conjugated core/shell CdSe/CdS/ZnS nano rods. , 2013, , .		1
71	Development of antimicrobial polyacrylonitrile microspheres for water disinfection. Journal of Applied Polymer Science, 2019, 136, 47968.	1.3	1
72	An approach towards development of point of care diagnostics using ELISA. , 2021, , .		0