

Veena Koul

List of Publications by Year in descending order

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80
papers

3,121
citations

101543

36
h-index

168389

53
g-index

82
all docs

82
docs citations

82
times ranked

4939
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of composition of poly(acrylic acid)-gelatin hydrogel on gentamicin sulphate release: in vitro. <i>Biomaterials</i> , 2003, 24, 527-536.	11.4	140
2	Assessment of PVA/silver nanocomposite hydrogel patch as antimicrobial dressing scaffold: Synthesis, characterization and biological evaluation. <i>Materials Science and Engineering C</i> , 2016, 59, 109-119.	7.3	119
3	AS1411 Aptamer and Folic Acid Functionalized pH-Responsive ATRP Fabricated pPEGMA-PCL-pPEGMA Polymeric Nanoparticles for Targeted Drug Delivery in Cancer Therapy. <i>Biomacromolecules</i> , 2014, 15, 1737-1752.	5.4	113
4	Folic Acid and Trastuzumab Functionalized Redox Responsive Polymersomes for Intracellular Doxorubicin Delivery in Breast Cancer. <i>Biomacromolecules</i> , 2015, 16, 1736-1752.	5.4	106
5	Studies on biodegradation and release of gentamicin sulphate from interpenetrating network hydrogels based on poly(acrylic acid) and gelatin: in vitro and in vivo. <i>Biomaterials</i> , 2004, 25, 139-146.	11.4	99
6	Interpenetrating polymer networks based on poly(acrylic acid) and gelatin. I: Swelling and thermal behavior. <i>Journal of Applied Polymer Science</i> , 2001, 82, 217-227.	2.6	89
7	Co-cultivation of keratinocyte-human mesenchymal stem cell (hMSC) on sericin loaded electrospun nanofibrous composite scaffold (cationic gelatin/hyaluronan/chondroitin sulfate) stimulates epithelial differentiation in hMSCs: In Vitro study. <i>Biomaterials</i> , 2016, 88, 83-96.	11.4	86
8	Interpenetrating polymer network (IPN) nanogels based on gelatin and poly(acrylic acid) by inverse miniemulsion technique: Synthesis and characterization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 83, 204-213.	5.0	80
9	Phase II clinical trial of a vas deferens injectable contraceptive for the male. <i>Contraception</i> , 1997, 56, 245-250.	1.5	77
10	Self assembled dual responsive micelles stabilized with protein for co-delivery of drug and siRNA in cancer therapy. <i>Biomaterials</i> , 2017, 133, 94-106.	11.4	75
11	Water dispersible CoFe ₂ O ₄ nanoparticles with improved colloidal stability for biomedical applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 404, 166-169.	2.3	73
12	ROP and ATRP Fabricated Dual Targeted Redox Sensitive Polymersomes Based on pPEGMA-PCL-ss-PCL-pPEGMA Triblock Copolymers for Breast Cancer Therapeutics. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 9211-9227.	8.0	70
13	Evaluation of nano hydrogel composite based on gelatin/HA/CS suffused with Asiatic acid/ZnO and CuO nanoparticles for second degree burns. <i>Materials Science and Engineering C</i> , 2018, 89, 378-386.	7.3	67
14	Antimicrobial Poly(methacrylamide) Derivatives Prepared via Aqueous RAFT Polymerization Exhibit Biocidal Efficiency Dependent upon Cation Structure. <i>Biomacromolecules</i> , 2012, 13, 2472-2482.	5.4	66
15	The Molecular Links of Re-Emerging Therapy: A Review of Evidence of Brahmi (<i>Bacopa monniera</i>). <i>Frontiers in Pharmacology</i> , 2016, 7, 44.	3.5	65
16	Evaluation of folate conjugated pegylated thermosensitive magnetic nanocomposites for tumor imaging and therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 82, 160-167.	5.0	63
17	Phase I clinical trial of an injectable contraceptive for the male. <i>Contraception</i> , 1993, 48, 367-375.	1.5	62
18	Biomimetic electrospun scaffolds from main extracellular matrix components for skin tissue engineering application - The role of chondroitin sulfate and sulfated hyaluronan. <i>Materials Science and Engineering C</i> , 2017, 79, 15-22.	7.3	60

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19	Antimicrobial Peptide Mimicking Primary Amine and Guanidine Containing Methacrylamide Copolymers Prepared by Raft Polymerization. <i>Biomacromolecules</i> , 2015, 16, 3845-3852.	5.4	58
20	Core-Shell Nanoparticles as an Efficient, Sustained, and Triggered Drug-Delivery System. <i>ACS Omega</i> , 2017, 2, 6455-6463.	3.5	58
21	Flexible polymerosomes—An alternative vehicle for topical delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 72, 161-166.	5.0	54
22	Multifunctional ATRP based pH responsive polymeric nanoparticles for improved doxorubicin chemotherapy in breast cancer by proton sponge effect/endo-lysosomal escape. <i>Polymer Chemistry</i> , 2015, 6, 2115-2132.	3.9	54
23	Effect of composition of interpenetrating polymer network hydrogels based on poly(acrylic acid) and gelatin on tissue response: A quantitative <i>in vivo</i> study. <i>Journal of Biomedical Materials Research Part B</i> , 2004, 68A, 210-218.	3.1	53
24	Polycaprolactone diacrylate crosslinked biodegradable semi-interpenetrating networks of polyacrylamide and gelatin for controlled drug delivery. <i>Biomedical Materials (Bristol)</i> , 2010, 5, 065014.	3.3	53
25	Efficacy of antibiotics-loaded interpenetrating network (IPNs) hydrogel based on poly(acrylic acid) and gelatin for treatment of experimental osteomyelitis: <i>in vivo</i> study. <i>Biomaterials</i> , 2005, 26, 2095-2104.	11.4	52
26	Bi-Layer Composite Dressing of Gelatin Nanofibrous Mat and Poly Vinyl Alcohol Hydrogel for Drug Delivery and Wound Healing Application: <i>In-Vitro</i> and <i>In-Vivo</i> Studies. <i>Journal of Biomedical Nanotechnology</i> , 2013, 9, 1495-1508.	1.1	48
27	Folic acid and trastuzumab conjugated redox responsive random multiblock copolymeric nanocarriers for breast cancer therapy: <i>In-vitro</i> and <i>in-vivo</i> studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 149, 369-378.	5.0	47
28	Assessment of multicomponent hydrogel scaffolds of poly(acrylic acid-2-hydroxy ethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (m 27, 848-861.	2.4	46
29	Applications of Nanomaterials in Dental Science: A Review. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 2235-2255.	0.9	45
30	Electroporation of polymeric nanoparticles: an alternative technique for transdermal delivery of insulin. <i>Drug Development and Industrial Pharmacy</i> , 2010, 36, 1303-1311.	2.0	44
31	Targeted Drug Delivery to Central Nervous System (CNS) for the Treatment of Neurodegenerative Disorders: Trends and Advances. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2014, 14, 43-59.	1.1	41
32	Dual functionalized chitosan based composite hydrogel for haemostatic efficacy and adhesive property. <i>Carbohydrate Polymers</i> , 2020, 247, 116757.	10.2	41
33	Biokinetics of ultrafine gold nanoparticles (AuNPs) relating to redistribution and urinary excretion: a long-term <i>in vivo</i> study. <i>Journal of Drug Targeting</i> , 2016, 24, 720-729.	4.4	40
34	<i>In vitro</i> and <i>in vivo</i> investigational studies of a nanocomposite hydrogel-based dressing with a silver-coated chitosan wafer for full-thickness skin wounds. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	39
35	Reversibility with sodium bicarbonate of styrene maleic anhydride, an intravasal injectable contraceptive, in male rats. <i>Contraception</i> , 1998, 58, 227-231.	1.5	38
36	Effect of DC/mDC iontophoresis and terpenes on transdermal permeation of methotrexate: <i>In vitro</i> study. <i>International Journal of Pharmaceutics</i> , 2007, 333, 70-78.	5.2	38

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37	Characterization and cell material interactions of PEGylated PNIPAAm nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 79, 164-173.	5.0	37
38	Nanofibrous artificial skin substitute composed of mPEG-g-PCL grafted gelatin/hyaluronan/chondroitin sulfate/sericin for 2nd degree burn care: in vitro and in vivo study. <i>RSC Advances</i> , 2018, 8, 16420-16432.	3.6	36
39	Design, preparation, and evaluation of liposomal gel formulations for treatment of acne: in vitro and in vivo studies. <i>Drug Development and Industrial Pharmacy</i> , 2019, 45, 395-404.	2.0	36
40	Synthesis and characterization of poly(N-isopropylacrylamide) films by photopolymerization. <i>Polymers for Advanced Technologies</i> , 2006, 17, 186-192.	3.2	34
41	ATRP Fabricated and Short Chain Polyethylenimine Grafted Redox Sensitive Polymeric Nanoparticles for Codelivery of Anticancer Drug and siRNA in Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 39672-39687.	8.0	31
42	Modulating neutrophil extracellular traps for wound healing. <i>Biomaterials Science</i> , 2020, 8, 3212-3223.	5.4	31
43	Transdermal delivery of methotrexate: past, present and future prospects. <i>Therapeutic Delivery</i> , 2012, 3, 315-325.	2.2	29
44	Bio-functionalization of grade V titanium alloy with type I human collagen for enhancing and promoting human periodontal fibroblast cell adhesion – an in-vitro study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 161, 1-9.	5.0	29
45	Cell adhesion and proliferation studies on semi-interpenetrating polymeric networks (semi-IPNs) of polyacrylamide and gelatin. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2011, 98B, 342-350.	3.4	28
46	Comparative Assessment of Active Targeted Redox Sensitive Polymersomes Based on pPEGMA-S-S-PLA Diblock Copolymer with Marketed Nanoformulation. <i>Biomacromolecules</i> , 2018, 19, 2549-2566.	5.4	28
47	Lactoferrin-conjugated pH and redox-sensitive polymersomes based on PEG-S-S-PLA-PCL-OH boost delivery of bacosides to the brain. <i>Nanoscale</i> , 2018, 10, 17781-17798.	5.6	27
48	Investigation on the synergistic effect of a combination of chemical enhancers and modulated iontophoresis for transdermal delivery of insulin. <i>Drug Development and Industrial Pharmacy</i> , 2010, 36, 993-1004.	2.0	26
49	Redox Responsive Polymersomes for Enhanced Doxorubicin Delivery. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 70-80.	5.2	25
50	Combinatorial delivery of superparamagnetic iron oxide nanoparticles (Fe_3O_4) and doxorubicin using folate conjugated redox sensitive multiblock polymeric nanocarriers for enhancing the chemotherapeutic efficacy in cancer cells. <i>Materials Science and Engineering C</i> , 2017, 75, 1128-1143.	7.3	24
51	Evaluation of pharmacological efficacy of "insulin" surfoplex™ encapsulated polymer vesicles. <i>International Journal of Pharmaceutics</i> , 2009, 373, 107-115.	5.2	22
52	Radiation synthesis of interpenetrating polymer networks based on N-vinyl pyrrolidone – acrylic acid copolymer and gelatin. I. Swelling, morphology, and thermal characterization for biomedical applications. <i>Journal of Applied Polymer Science</i> , 2007, 104, 1456-1463.	2.6	21
53	Fabrication of transparent quaternized PVA/silver nanocomposite hydrogel and its evaluation as an antimicrobial patch for wound care systems. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 160.	3.6	21
54	Synthesis and characterization of positively charged interpenetrating double-network hydrogel matrices for biomedical applications. <i>Reactive and Functional Polymers</i> , 2013, 73, 1493-1499.	4.1	19

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55	Receptor Specific Macrophage Targeting by Mannose-Conjugated Gelatin Nanoparticles- An In Vitro and In Vivo Study. <i>Current Nanoscience</i> , 2010, 6, 413-421.	1.2	18
56	Synthesis and biological evaluation of dual functionalized glutathione sensitive poly(ester-urethane) multiblock polymeric nanoparticles for cancer targeted drug delivery. <i>Polymer Chemistry</i> , 2015, 6, 7603-7617.	3.9	18
57	Studies on copolymerization of N-isopropylacrylamide with poly(ethylene glycol) methacrylate. <i>European Polymer Journal</i> , 2008, 44, 2962-2970.	5.4	16
58	Studies on in vitro and in vivo transdermal flux enhancement of methotrexate by a combinational approach in comparison to oral delivery. <i>Drug Development and Industrial Pharmacy</i> , 2009, 35, 1281-1292.	2.0	16
59	Bacosides Encapsulated in Lactoferrin Conjugated PEG-PLA-PCL-OH Based Polymersomes Act as Epigenetic Modulator in Chemically Induced Amnesia. <i>Neurochemical Research</i> , 2020, 45, 796-808.	3.3	15
60	Two-year clinical efficacy trial with dose variations of a vas deferens injectable contraceptive for the male. <i>Contraception</i> , 1998, 58, 165-174.	1.5	14
61	Biophysical assessment of DC iontophoresis and current density on transdermal permeation of methotrexate. <i>International Journal of Pharmaceutical Investigation</i> , 2011, 1, 234.	0.3	14
62	Fabrication and evaluation of gelatin/hyaluronic acid/chondroitin sulfate/asiatic acid based biopolymeric scaffold for the treatment of second-degree burn wounds – Wistar rat model study. <i>Biomedical Materials (Bristol)</i> , 2020, 15, 055016.	3.3	14
63	Fabrication of <i>In Situ</i> Layered Hydrogel Scaffold for the Co-delivery of PGDF-BB/Chlorhexidine to Regulate Proinflammatory Cytokines, Growth Factors, and MMP-9 in a Diabetic Skin Defect Albino Rat Model. <i>Biomacromolecules</i> , 2021, 22, 1885-1900.	5.4	13
64	Investigation of ultrafine gold nanoparticles (AuNPs) based nanoformulation as single conjugates target delivery for improved methotrexate chemotherapy in breast cancer. <i>International Journal of Pharmaceutics</i> , 2019, 569, 118561.	5.2	12
65	Click modified amphiphilic graft copolymeric micelles of poly(styrene-alt-maleic anhydride) for combinatorial delivery of doxorubicin and plk-1 siRNA in cancer therapy. <i>Journal of Materials Chemistry B</i> , 2016, 4, 7303-7313.	5.8	10
66	An investigation study of gelatin release from semi-interpenetrating polymeric network hydrogel patch for excision wound healing on Wistar rat model. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	9
67	Synthesis and evaluation of cationically modified poly(styrene-alt-maleic anhydride) nanocarriers for intracellular gene delivery. <i>RSC Advances</i> , 2015, 5, 21931-21944.	3.6	9
68	Polymerosomes of PCL and PEG Demonstrate Enhanced Therapeutic Efficacy of Insulin. <i>Current Nanoscience</i> , 2009, 5, 409-416.	1.2	9
69	Biocompatibility evaluation for the developed hydrogel wound dressing – ISO-10993-11 standards – in vitro and in vivo study. <i>Biomedical Physics and Engineering Express</i> , 2022, 8, 015010.	1.2	9
70	Critical Role of Etching Parameters in the Evolution of Nano Micro SLA Surface on the Ti6Al4V Alloy Dental Implants. <i>Materials</i> , 2021, 14, 6344.	2.9	8
71	Interpenetrating Polymer Networks Based on Gelatin and Poly(Vinyl Pyrrolidone): Evaluation of Degradation, Histocompatibility, Cytotoxicity, and Drug Release. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2012, 61, 1115-1129.	3.4	7
72	Effective permeation of 2.5 and 5% lidocaine hydrochloride in human skin using iontophoresis technique. <i>International Journal of Dermatology</i> , 2018, 57, 1335-1343.	1.0	7

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73	Preclinical efficacy study of a porous biopolymeric scaffold based on gelatin-hyaluronic acid-chondroitin sulfate in a porcine burn injury model: role of critical molecular markers (VEGFA, Tj ETQq1 1 0.784314 rgBT /Overloc Biomedical Materials (Bristol), 2021, 16, 055020.	3.3	7
74	Radiation grafting of acrylic acid on to polypropylene filaments. I: Effect of reaction conditions. Polymer International, 1993, 30, 411-415.	3.1	6
75	Effect of acid etching temperature on surface physiochemical properties and cytocompatibility of Ti6Al4V ELI alloy. Materials Research Express, 2019, 6, 105412.	1.6	6
76	Synthesis and characterization of biodegradable interpenetrating polymer networks based on gelatin and divinyl ester synthesized from poly(caprolactone diol). Journal of Applied Polymer Science, 2009, 111, 1478-1487.	2.6	5
77	Reciprocal influence of hMSCs/HaCaT cultivated on electrospun scaffolds. Journal of Materials Science: Materials in Medicine, 2017, 28, 128.	3.6	5
78	Fabrication and evaluation of antimicrobial biomimetic nanofiber coating for improved dental implant bioseal: An in vitro study. Journal of Periodontology, 2022, 93, 1578-1588.	3.4	4
79	Biosafety of unmodified ultrafine gold particles (AuPs) upon interacting with human blood components before systemic use. Regulatory Toxicology and Pharmacology, 2019, 107, 104405.	2.7	2
80	Polymeric Gels: Vehicles for Enhanced Drug Delivery Across Skin. Gels Horizons: From Science To Smart Materials, 2018, , 343-375.	0.3	1