

Kailash Chandra Gupta

List of Publications by Year in descending order

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60
papers

4,088
citations

159585

30
h-index

133252

59
g-index

60
all docs

60
docs citations

60
times ranked

5222
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic activities of Schiff base transition metal complexes. <i>Coordination Chemistry Reviews</i> , 2008, 252, 1420-1450.	18.8	1,260
2	Polymer-supported Schiff base complexes in oxidation reactions. <i>Coordination Chemistry Reviews</i> , 2009, 253, 1926-1946.	18.8	346
3	Drug release behavior of beads and microgranules of chitosan. <i>Biomaterials</i> , 2000, 21, 1115-1119.	11.4	190
4	Glutaraldehyde and glyoxal cross-linked chitosan microspheres for controlled delivery of centchroman. <i>Carbohydrate Research</i> , 2006, 341, 744-756.	2.3	144
5	Effects of degree of deacetylation and cross-linking on physical characteristics, swelling and release behavior of chitosan microspheres. <i>Carbohydrate Polymers</i> , 2006, 66, 43-54.	10.2	136
6	Temperature-Responsive Cellulose by Ceric(IV) Ion-Initiated Graft Copolymerization of N-Isopropylacrylamide. <i>Biomacromolecules</i> , 2003, 4, 758-765.	5.4	135
7	Nanofibrous scaffolds in biomedical applications. <i>Biomaterials Research</i> , 2014, 18, 5.	6.9	124
8	Glutaraldehyde cross-linked chitosan microspheres for controlled release of centchroman. <i>Carbohydrate Research</i> , 2007, 342, 2244-2252.	2.3	91
9	Graft Copolymerization of Acrylonitrile and Ethyl Methacrylate Comonomers on Cellulose Using Ceric Ions. <i>Biomacromolecules</i> , 2001, 2, 239-247.	5.4	86
10	Polymer anchored Schiff base complexes of transition metal ions and their catalytic activities in oxidation of phenol. <i>Journal of Molecular Catalysis A</i> , 2007, 272, 64-74.	4.8	78
11	Graphene-reinforced elastomeric nanocomposites: A review. <i>Polymer Testing</i> , 2018, 68, 160-184.	4.8	75
12	Graft Copolymerization of Ethyl Acrylate onto Cellulose Using Ceric Ammonium Nitrate as Initiator in Aqueous Medium. <i>Biomacromolecules</i> , 2002, 3, 1087-1094.	5.4	74
13	Preparation, characterization and release profiles of pH-sensitive chitosan beads. <i>Polymer International</i> , 2000, 49, 141-146.	3.1	73
14	Micro/Nano Multilayered Scaffolds of PLGA and Collagen by Alternately Electrospinning for Bone Tissue Engineering. <i>Nanoscale Research Letters</i> , 2016, 11, 323.	5.7	70
15	Synthesis of polymer anchored N,N'-bis(3-allyl salicylidene) o-phenylenediamine cobalt(II) Schiff base complex and its catalytic activity for decomposition of hydrogen peroxide. <i>Journal of Molecular Catalysis A</i> , 2003, 202, 253-268.	4.8	67
16	Semi-interpenetrating polymer network beads of crosslinked chitosan-glycine for controlled release of chlorpheniramine maleate. <i>Journal of Applied Polymer Science</i> , 2000, 76, 672-683.	2.6	64
17	pH dependent hydrolysis and drug release behavior of chitosan/poly(ethylene glycol) polymer network microspheres. <i>Journal of Materials Science: Materials in Medicine</i> , 2001, 12, 753-759.	3.6	64
18	Morphological Effects of HA on the Cell Compatibility of Electrospun HA/PLGA Composite Nanofiber Scaffolds. <i>BioMed Research International</i> , 2014, 2014, 1-11.	1.9	62

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19	PLGA/nHA hybrid nanofiber scaffold as a nanocargo carrier of insulin for accelerating bone tissue regeneration. <i>Nanoscale Research Letters</i> , 2014, 9, 314.	5.7	60
20	Folate Ligand Anchored Liquid Crystal Microdroplets Emulsion for <i>in Vitro</i> Detection of KB Cancer Cells. <i>Langmuir</i> , 2014, 30, 10668-10677.	3.5	57
21	Antibacterial Activity and Cytocompatibility of PLGA/CuO Hybrid Nanofiber Scaffolds Prepared by Electrospinning. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-10.	2.7	55
22	An Overview on Chitin and Chitosan Applications with an Emphasis on Controlled Drug Release Formulations. <i>Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics</i> , 2000, 40, 273-308.	2.2	54
23	Effect of concentration of ion exchanger, plasticizer and molecular weight of cyanocopolymers on selectivity and sensitivity of Cu(II) ion selective electrodes. <i>Analytica Chimica Acta</i> , 2001, 437, 199-216.	5.4	49
24	Catalytic activity of polymer anchored N,N'-bis (o-hydroxy acetophenone) ethylene diamine Schiff base complexes of Fe(III), Cu(II) and Zn(II) ions in oxidation of phenol. <i>Reactive and Functional Polymers</i> , 2008, 68, 12-26.	4.1	46
25	A comparative study on vulcanization behavior of acrylonitrile-butadiene rubber reinforced with graphene oxide and reduced graphene oxide as fillers. <i>Polymer Testing</i> , 2019, 76, 127-137.	4.8	40
26	Graft copolymerization of acrylamide-methylacrylate comonomers onto cellulose using ceric ammonium nitrate. <i>Journal of Applied Polymer Science</i> , 2002, 86, 2631-2642.	2.6	39
27	Preparation and characterization of sodium hexameta phosphate cross-linked chitosan microspheres for controlled and sustained delivery of centchroman. <i>International Journal of Biological Macromolecules</i> , 2006, 38, 272-283.	7.5	39
28	Studies on semi-interpenetrating polymer network beads of chitosan-poly(ethylene glycol) for the controlled release of drugs. <i>Journal of Applied Polymer Science</i> , 2001, 80, 639-649.	2.6	38
29	Effect of concentration of ion exchanger, plasticizer and molecular weight of cyanocopolymers on selectivity and sensitivity of Cd(II) ion selective electrode. <i>Talanta</i> , 2000, 52, 1087-1103.	5.5	33
30	Performance evaluation of copper ion selective electrode based on cyanocopolymers. <i>Sensors and Actuators B: Chemical</i> , 2000, 62, 171-176.	7.8	32
31	Anti-IgG-anchored liquid crystal microdroplets for label free detection of IgG. <i>Journal of Materials Chemistry B</i> , 2016, 4, 704-715.	5.8	30
32	Lamination of microfibrinous PLGA fabric by electrospinning a layer of collagen-hydroxyapatite composite nanofibers for bone tissue engineering. <i>Biomaterials Research</i> , 2017, 21, 11.	6.9	29
33	Enhanced Tissue Compatibility of Polyetheretherketone Disks by Dopamine-Mediated Protein Immobilization. <i>Macromolecular Research</i> , 2018, 26, 128-138.	2.4	26
34	Synthesis and evaluation of aromatic polyamide membranes for desalination in reverse-osmosis technique. <i>Journal of Applied Polymer Science</i> , 1997, 66, 643-653.	2.6	24
35	Carbon Nanomaterials for Wastewater Treatment. <i>ChemBioEng Reviews</i> , 2021, 8, 463-489.	4.4	22
36	Ceric(IV) ion-induced graft copolymerization of acrylamide and ethyl acrylate onto cellulose. <i>Polymer International</i> , 2006, 55, 139-150.	3.1	21

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37	Graft copolymerization of acrylamide onto cellulose in presence of comonomer using ceric ammonium nitrate as initiator. <i>Journal of Applied Polymer Science</i> , 2006, 101, 2546-2558.	2.6	21
38	The role of ligand-receptor interactions in visual detection of HepG2 cells using a liquid crystal microdroplet-based biosensor. <i>Journal of Materials Chemistry B</i> , 2015, 3, 8659-8669.	5.8	20
39	STRUCTURAL CHANGES AND RELEASE CHARACTERISTICS OF CROSSLINKED CHITOSAN BEADS IN RESPONSE TO SOLUTION pH. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1999, 36, 827-841.	2.2	19
40	Co(III) acetylacetonate-complex-initiated grafting of N-vinyl pyrrolidone on cellulose in aqueous media. <i>Journal of Applied Polymer Science</i> , 2001, 81, 2286-2296.	2.6	19
41	Cerium (IV)-2-chloroethanol redox-pair initiated polymerization of acrylamide in aqueous medium. <i>Journal of Polymer Science Part A</i> , 1986, 24, 767-775.	2.3	18
42	Grafting of N,N'-methylenebisacrylamide onto cellulose using Co(III)-acetylacetonate complex in aqueous medium. <i>Journal of Applied Polymer Science</i> , 2000, 76, 906-912.	2.6	16
43	Slide cover glass immobilized liquid crystal microdroplets for sensitive detection of an IgG antigen. <i>RSC Advances</i> , 2017, 7, 37675-37688.	3.6	16
44	Hydroxyapatite Nanorod-Modified Sand Blasted Titanium Disk for Endosseous Dental Implant Applications. <i>Tissue Engineering and Regenerative Medicine</i> , 2018, 15, 601-614.	3.7	16
45	Bioactive Antibacterial Modification of Orthodontic Microimplants Using Chitosan Biopolymer. <i>Macromolecular Research</i> , 2019, 27, 504-510.	2.4	15
46	Kinetic study of Ru(VI)-catalyzed oxidation of cyclic alcohols by hexacyanoferrate(III) in aqueous alkaline medium. <i>International Journal of Chemical Kinetics</i> , 1984, 16, 195-204.	1.6	14
47	Cadmium Ion-Selective Electrode Based on Cyanocopolymer. <i>Electroanalysis</i> , 2000, 12, 1408-1413.	2.9	14
48	Aqueous polymerization of methacrylamide initiated by potassium persulfate-L-cystein hydrochloride redox system. <i>Colloid and Polymer Science</i> , 1984, 262, 677-682.	2.1	13
49	Kinetics of radical polymerization of N-vinylpyrrolidone by peroxidiphosphate-Ag system. <i>Journal of Applied Polymer Science</i> , 1994, 53, 71-78.	2.6	10
50	Lead (II) ion selective electrodes based on diphenylmethyl-N-phenylhydroxamic acid ionophore in cyanocopolymer matrix. <i>IEEE Sensors Journal</i> , 2001, 1, 275-282.	4.7	8
51	In vitro detection of human breast cancer cells (SK-BR3) using herceptin-conjugated liquid crystal microdroplets as a sensing platform. <i>Biomaterials Science</i> , 2016, 4, 1473-1484.	5.4	7
52	Poly(vinylbenzyl chloride-co-divinyl benzene) polyHIPE monolith-supported 4-hydroxynaphthaldehyde propylenediamine Schiff base ligand complex of copper(II) ions as a catalyst for the epoxidation of cyclohexene. <i>RSC Advances</i> , 2019, 9, 30823-30834.	3.6	7
53	CERIC ION INITIATED GRAFTING ON CELLULOSE FROM BINARY MIXTURE OF ACRYLONITRILE AND METHYLACRYLATE. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2000, 37, 447-468.	2.2	5
54	In vitro detection of allergen sensitized basophils by HSA-DNP antigen-anchored liquid crystal microdroplets. <i>Analytical Biochemistry</i> , 2018, 558, 1-11.	2.4	5

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55	Osteoblast behaviours on nanorod hydroxyapatite-grafted glass surfaces. <i>Biomaterials Research</i> , 2019, 23, 28.	6.9	5
56	ATRP graft copolymerization of poly(N-isopropylacrylamide-co-acrylic acid) on multiwalled carbon nanotubes. <i>Macromolecular Research</i> , 2014, 22, 948-957.	2.4	3
57	Polymerization of Methacrylamide Initiated by Potassium Permanganate/Glycollic Acid Redox System. <i>Polymer Journal</i> , 1987, 19, 357-362.	2.7	2
58	In vitro Dual Detection of GNPs Conjugated Rabbit IgG Using Anti-IgG Anchored Calcein Green Fluorescent LC Microdroplets. <i>IEEE Sensors Journal</i> , 2018, , 1-1.	4.7	1
59	Studies on semi-interpenetrating polymer network beads of chitosan-poly(ethylene glycol) for the controlled release of drugs. <i>Journal of Applied Polymer Science</i> , 2001, 80, 639-649.	2.6	1
60	Radical Polymerization of <i>N,N</i> -Methylenebisacrylamide by Peroxidiphosphate-Ag ⁺ Redox System: A Kinetic Study. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1994, 31, 805-816.	2.2	0