

K Sreenivasan

List of Publications by Year in descending order

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81
papers

2,185
citations

279701

23
h-index

223716

46
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81
all docs

81
docs citations

81
times ranked

3421
citing authors

#	ARTICLE	IF	CITATIONS
1	Histidine and arginine conjugated starch-PEI and its corresponding gold nanoparticles for gene delivery. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 999-1008.	3.6	23
2	Methotrexate anchored carbon dots as theranostic probes: digitonin conjugation enhances cellular uptake and cytotoxicity. <i>RSC Advances</i> , 2016, 6, 56313-56318.	1.7	10
3	Non enzymatic colorimetric detection of glucose using cyanophenyl boronic acid included β -cyclodextrin stabilized gold nanoparticles. <i>Analytical Methods</i> , 2016, 8, 2082-2087.	1.3	22
4	Alginate stabilized gold nanoparticle as multidrug carrier: Evaluation of cellular interactions and hemolytic potential. <i>Carbohydrate Polymers</i> , 2016, 136, 71-80.	5.1	46
5	Conjugating curcumin to water soluble polymer stabilized gold nanoparticles via pH responsive succinate linker. <i>Journal of Materials Chemistry B</i> , 2015, 3, 824-833.	2.9	34
6	Calcium ion modulates protein release from chitosan-hyaluronic acid poly electrolyte gel. <i>Polymer Engineering and Science</i> , 2015, 55, 2089-2097.	1.5	9
7	Detection and imaging of fatty plaques in blood vessels using functionalized carbon dots. <i>Analytical Methods</i> , 2015, 7, 9482-9488.	1.3	13
8	Glutathione-bearing fluorescent polymer-curcumin conjugate enables simultaneous drug delivery and label-free cellular imaging. <i>Polymer</i> , 2015, 75, 25-33.	1.8	10
9	Hydrogen-bond assisted, aggregation-induced emission of digitonin. <i>RSC Advances</i> , 2015, 5, 100176-100183.	1.7	15
10	Fluorimetric detection of hypochlorite using albumin stabilized gold nanoclusters. <i>Sensors and Actuators B: Chemical</i> , 2015, 209, 798-802.	4.0	42
11	Conjugation of curcumin onto alginate enhances aqueous solubility and stability of curcumin. <i>Carbohydrate Polymers</i> , 2014, 99, 499-507.	5.1	133
12	On the observation of the need for an unusually high concentration of cysteine and homocysteine to induce aggregation of polymer-stabilized gold nano particles. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	0
13	Aggregation of gold nanoparticles followed by methotrexate release enables Raman imaging of drug delivery into cancer cells. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	8
14	Gold nanoparticles generated and stabilized by water soluble curcumin-polymer conjugate: Blood compatibility evaluation and targeted drug delivery onto cancer cells. <i>Journal of Colloid and Interface Science</i> , 2012, 368, 144-151.	5.0	175
15	Enhanced Drug Loading on Magnetic Nanoparticles by Layer-by-Layer Assembly Using Drug Conjugates: Blood Compatibility Evaluation and Targeted Drug Delivery in Cancer Cells. <i>Langmuir</i> , 2011, 27, 14489-14496.	1.6	72
16	Fluorescent gold clusters as nanosensors for copper ions in live cells. <i>Analyst</i> , 2011, 136, 933-940.	1.7	246
17	Fluorescent and superparamagnetic hybrid quantum clusters for magnetic separation and imaging of cancer cells from blood. <i>Nanoscale</i> , 2011, 3, 4780.	2.8	50
18	Drug loaded thermo-responsive and cytocompatible chitosan based hydrogel as a potential wound dressing. <i>Carbohydrate Polymers</i> , 2011, 83, 705-713.	5.1	136

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19	Synthesis and Characterization of a Cytotoxic Cationic Polyvinylpyrrolidone- α -Curcumin Conjugate. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 504-511.	1.6	53
20	Conjugation of curcumin onto hyaluronic acid enhances its aqueous solubility and stability. <i>Journal of Colloid and Interface Science</i> , 2011, 359, 318-325.	5.0	230
21	Synthesis and evaluation of a hydrogel that binds glucose and releases ciprofloxacin. <i>Journal of Materials Science</i> , 2010, 45, 4006-4012.	1.7	20
22	A novel thermoresponsive graft copolymer containing phosphorylated HEMA for generating detachable cell layers. <i>Journal of Applied Polymer Science</i> , 2010, 115, 52-62.	1.3	4
23	Bioinspired mineralization and cell adhesion on surface functionalized poly(vinyl alcohol) films. <i>Acta Biomaterialia</i> , 2009, 5, 1647-1655.	4.1	68
24	Improving the efficiency of imprinting in poly(HEMA) for polyaromatic hydrocarbon using silver ions. <i>Journal of Applied Polymer Science</i> , 2008, 109, 3275-3278.	1.3	7
25	Alternate method for grafting thermoresponsive polymer for transferring in vitro cell sheet structures. <i>Journal of Applied Polymer Science</i> , 2007, 105, 2245-2251.	1.3	17
26	Identification of salicylic acid using surface modified polyurethane film using an imprinted layer of polyaniline. <i>Analytica Chimica Acta</i> , 2007, 583, 284-288.	2.6	18
27	Synthesis and evaluation of multiply templated molecularly imprinted polyaniline. <i>Journal of Materials Science</i> , 2007, 42, 7575-7578.	1.7	35
28	Surface imprinted polyurethane film as a chiral discriminator. <i>Talanta</i> , 2006, 68, 1037-1039.	2.9	20
29	Detection of creatinine enriched on a surface imprinted polystyrene film using FT-ATR-IR. <i>Journal of Molecular Recognition</i> , 2006, 19, 408-412.	1.1	10
30	Imparting affinity sites for adenosine triphosphate on the surface of polyurethane through molecular imprinting. <i>Journal of Applied Polymer Science</i> , 2004, 94, 2088-2090.	1.3	13
31	Hydroxyapatite filled chitosan-polyacrylic acid polyelectrolyte complexes. <i>Journal of Materials Science</i> , 2003, 38, 3653-3662.	1.7	42
32	In vitro calcium phosphate growth over surface modified PMMA film. <i>Biomaterials</i> , 2003, 24, 297-303.	5.7	39
33	Ferric Iron-Containing Molecularly Imprinted Polymer as an Adsorbent for Cholesterol. <i>Adsorption Science and Technology</i> , 2003, 21, 261-268.	1.5	4
34	Use of crosslinked poly(ferric acrylate) as a sorbent in solid-phase extraction. <i>Journal of Applied Polymer Science</i> , 2002, 83, 2184-2187.	1.3	3
35	USE OF DIFFERENTIAL SCANNING CALORIMETRY TO STUDY THE REPLACEMENT OF A GUEST MOLECULE FROM CYCLODEXTRIN- α -GUEST INCLUSION COMPLEXES. <i>Analytical Letters</i> , 2001, 34, 307-311.	1.0	3
36	The effect of polymerisation methods on the adsorption capacity of HEMA based molecularly imprinted polymers. <i>Journal of Polymer Research</i> , 2001, 8, 197-200.	1.2	7

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37	The use of metal-containing monomer in the preparation of molecularly imprinted polymer to increase the adsorption capacity. <i>Journal of Applied Polymer Science</i> , 2001, 80, 2795-2799.	1.3	11
38	Effect of blending methyl β -cyclodextrin on the release of hydrophobic hydrocortisone into water from polyurethane. <i>Journal of Applied Polymer Science</i> , 2001, 81, 520-522.	1.3	2
39	Preparation of polyvinyl alcohol hydrogel through the selective complexation of amorphous phase. <i>Journal of Applied Polymer Science</i> , 2001, 82, 143-149.	1.3	12
40	Molecularly imprinted polyacrylic acid containing multiple recognition sites for steroids. <i>Journal of Applied Polymer Science</i> , 2001, 82, 889-893.	1.3	38
41	Molecularly imprinted polymer as storage medium for an analyte. <i>Bioseparation</i> , 2001, 10, 395-398.	0.7	4
42	On the application of molecularly imprinted poly(HEMA) as a template responsive release system. <i>Journal of Applied Polymer Science</i> , 1999, 71, 1819-1821.	1.3	40
43	Imparting recognition sites in poly(HEMA) for two compounds through molecular imprinting. <i>Journal of Applied Polymer Science</i> , 1999, 71, 1823-1826.	1.3	51
44	An aqueous process to graft 2-hydroxyl ethyl methacrylate onto polyvinyl chloride through its functional group. <i>Journal of Applied Polymer Science</i> , 1999, 74, 113-118.	1.3	4
45	Solvent effect on the interaction of steroids with a novel methyl β -cyclodextrin polymer. <i>Journal of Applied Polymer Science</i> , 1998, 68, 1857-1861.	1.3	8
46	Effect of the type of monomers of molecularly imprinted polymers on the interaction with steroids. <i>Journal of Applied Polymer Science</i> , 1998, 68, 1863-1866.	1.3	34
47	Synthesis and preliminary studies on a β -cyclodextrin-coupled chitosan as a novel adsorbent matrix. <i>Journal of Applied Polymer Science</i> , 1998, 69, 1051-1055.	1.3	38
48	Synthesis and evaluation of a beta cyclodextrin-based molecularly imprinted copolymer. <i>Journal of Applied Polymer Science</i> , 1998, 70, 15-18.	1.3	49
49	Synthesis and evaluation of a molecularly imprinted polyurethane-poly(HEMA) semi-interpenetrating polymer networks as membrane. <i>Journal of Applied Polymer Science</i> , 1998, 70, 19-22.	1.3	12
50	On the feasibility of using molecularly imprinted poly (Hema) as a sensor component. <i>Talanta</i> , 1997, 44, 1137-1140.	2.9	16
51	Application of molecularly imprinted polymer as a drug retaining matrix. <i>Angewandte Makromolekulare Chemie</i> , 1997, 246, 65-69.	0.3	19
52	Synthesis and Evaluation of β -Cyclodextrin-2-Hydroxyethyl Methacrylate Copolymer as a Novel Adsorbent. <i>Polymer International</i> , 1997, 42, 22-24.	1.6	15
53	Imparting Cholesterol Recognition Sites in Radiation Polymerised Poly(2-hydroxyethyl methacrylate) by Molecular Imprinting. <i>Polymer International</i> , 1997, 42, 169-172.	1.6	22
54	Absorption characteristics of a novel semi-IPN membrane based on β -cyclodextrin toward testosterone and progesterone. <i>Journal of Applied Polymer Science</i> , 1997, 64, 1811-1814.	1.3	5

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55	On the restriction of the release of water-soluble component from polyvinyl alcohol film by blending β -cyclodextrin. Journal of Applied Polymer Science, 1997, 65, 1829-1832.	1.3	42
56	Effect of added silver ions on physiochemical properties of polyurethane. Journal of Applied Polymer Science, 1997, 65, 2081-2084.	1.3	2
57	Interaction of molecularly imprinted polymers with creatinine. Journal of Applied Polymer Science, 1997, 66, 2539-2542.	1.3	39
58	Studies on the sorption of lipids in segmented polyurethanes. III. Effects of stretching at room temperature. Journal of Applied Polymer Science, 1996, 59, 1009-1014.	1.3	1
59	Effect of blending β -cyclodextrin with poly(vinyl chloride) on the leaching of phthalate ester to hydrophilic medium. Journal of Applied Polymer Science, 1996, 59, 2089-2093.	1.3	11
60	Grafting of β -cyclodextrin-modified 2-hydroxyethyl methacrylate onto polyurethane. Journal of Applied Polymer Science, 1996, 60, 2245-2249.	1.3	22
61	Synthesis and characterization of poly(vinyl alcohol)- β -cyclodextrin copolymer. Angewandte Makromolekulare Chemie, 1996, 235, 15-20.	0.3	11
62	Water vaporization from heated tissue: An in vitro study by differential scanning calorimetry. Lasers in Surgery and Medicine, 1996, 19, 413-415.	1.1	1
63	Grafting of β -cyclodextrin-modified 2-hydroxyethyl methacrylate onto polyurethane. Journal of Applied Polymer Science, 1996, 60, 2245-2249.	1.3	1
64	Sorption studies in a polyurethane- β -cyclodextrin blend. Polymer International, 1994, 34, 221-223.	1.6	8
65	Diffusion as a probe to assess stretching-induced morphological changes in polyurethane. Journal of Polymer Science, Part B: Polymer Physics, 1993, 31, 1083-1087.	2.4	6
66	Transport studies in poly(methyl methacrylate-g-urethane). Polymer Engineering and Science, 1993, 33, 1366-1369.	1.5	1
67	Diffusion of water and alcohol in chemically modified polyurethane. Polymer International, 1993, 30, 363-365.	1.6	5
68	Characterization of poly(urethane-g-methyl methacrylate) by GPC. Acta Polymerica, 1992, 43, 188-189.	1.3	1
69	Studies on the radiation-induced graft copolymerization of mixtures of n-butyl acrylate and 2-hydroxyethyl methacrylate on polyurethane. I. Synthesis and characterization. Journal of Applied Polymer Science, 1992, 44, 1703-1709.	1.3	3
70	Studies on the sorption of lipids in segmented polyurethanes. II. Effect of hard-segment content. Journal of Applied Polymer Science, 1992, 45, 2105-2112.	1.3	4
71	Title is missing!. Acta Polymerica, 1992, 43, 189-190.	1.3	0
72	Title is missing!. Acta Polymerica, 1991, 42, 49-50.	1.3	1

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73	Effect of hard segments on the refractive index of polyurethane based on H12MDI. Acta Polymerica, 1991, 42, 402-403.	1.3	0
74	Negentropy and retention in reversed phase liquid chromatography. Chromatographia, 1990, 29, 90-92.	0.7	0
75	Combined dye adsorption and HPLC for determination of hydrophilicity in polymers. International Journal of Artificial Organs, 1990, 13, 704-6.	0.7	0
76	Thermal analysis of used and radiation treated polycarbonate (L-MW) biomaterial. Bulletin of Materials Science, 1988, 10, 257-261.	0.8	1
77	Title is missing!. Acta Polymerica, 1987, 38, 312-313.	1.3	0
78	Title is missing!. Angewandte Makromolekulare Chemie, 1986, 142, 51-60.	0.3	2
79	A GPC Method for Analysis of Low Molecular Weight Drugs. Journal of Liquid Chromatography and Related Technologies, 1984, 7, 2297-2305.	0.9	1
80	Differential scanning calorimetric studies of polyester fabrics used in sewing ring of an heart valve. Bulletin of Materials Science, 1983, 5, 123-126.	0.8	5
81	On the Nature of Physiologically Unique 37°C Phase Transition of Cholesterol. Spectroscopy Letters, 1983, 16, 855-864.	0.5	0