K Sreenivasan

List of Publications by Year
in descending order

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81	2,185	279701	223716
papers	citations	23 h-index	46 g-index

81	81	81	3421
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fluorescent gold clusters as nanosensors for copper ions in live cells. Analyst, The, 2011, 136, 933-940.	1.7	246
2	Conjugation of curcumin onto hyaluronic acid enhances its aqueous solubility and stability. Journal of Colloid and Interface Science, 2011, 359, 318-325.	5.0	230
3	Gold nanoparticles generated and stabilized by water soluble curcuminâ€“polymer conjugate: Blood compatibility evaluation and targeted drug delivery onto cancer cells. Journal of Colloid and Interface Science, 2012, 368, 144-151.	5.0	175
4	Drug loaded thermoresponsive and cytocompatible chitosan based hydrogel as a potential wound dressing. Carbohydrate Polymers, 2011, 83, 705-713.	5.1	136
5	Conjugation of curcumin onto alginate enhances aqueous solubility and stability of curcumin. Carbohydrate Polymers, 2014, 99, 499-507.	5.1	133
6	Enhanced Drug Loading on Magnetic Nanoparticles by Layer-by-Layer Assembly Using Drug Conjugates: Blood Compatibility Evaluation and Targeted Drug Delivery in Cancer Cells. Langmuir, 2011, 27, 14489-14496.	1.6	72
7	Bioinspired mineralization and cell adhesion on surface functionalized poly(vinyl alcohol) films. Acta Biomaterialia, 2009, 5, 1647-1655.	4.1	68
8	Synthesis and Characterization of a Cytotoxic Cationic Polyvinylpyrrolidoneâ€“Curcumin Conjugate. Journal of Pharmaceutical Sciences, 2011, 100, 504-511.	1.6	53
9	Imparting recognition sites in poly(HEMA) for two compounds through molecular imprinting. Journal of Applied Polymer Science, 1999, 71, 1823-1826.	1.3	51
10	Fluorescent and superparamagnetic hybrid quantum clusters for magnetic separation and imaging of cancer cells from blood. Nanoscale, 2011, 3, 4780.	2.8	50
11	Synthesis and evaluation of a beta cyclodextrin-based molecularly imprinted copolymer. Journal of Applied Polymer Science, 1998, 70, 15-18.	1.3	49
12	Alginate stabilized gold nanoparticle as multidrug carrier: Evaluation of cellular interactions and hemolytic potential. Carbohydrate Polymers, 2016, 136, 71-80.	5.1	46
13	On the restriction of the release of water-soluble component from polyvinyl alcohol film by blending ?-cyclodextrin. Journal of Applied Polymer Science, 1997, 65, 1829-1832.	1.3	42
14	Hydroxyapatite filled chitosan-polyacrylic acid polyelectrolyte complexes. Journal of Materials Science, 2003, 38, 3653-3662.	1.7	42
15	Fluorimetric detection of hypochlorite using albumin stabilized gold nanoclusters. Sensors and Actuators B: Chemical, 2015, 209, 798-802.	4.0	42
16	On the application of molecularly imprinted poly(HEMA) as a template responsive release system. Journal of Applied Polymer Science, 1999, 71, 1819-1821.	1.3	40
17	Interaction of molecularly imprinted polymers with creatinine. Journal of Applied Polymer Science, 1997, 66, 2539-2542.	1.3	39
18	In vitro calcium phosphate growth over surface modified PMMA film. Biomaterials, 2003, 24, 297-303.	5.7	39

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19	Synthesis and preliminary studies on a ?-cyclodextrin-coupled chitosan as a novel adsorbent matrix. Journal of Applied Polymer Science, 1998, 69, 1051-1055.	1.3	38
20	Molecularly imprinted polyacrylic acid containing multiple recognition sites for steroids. Journal of Applied Polymer Science, 2001, 82, 889-893.	1.3	38
21	Synthesis and evaluation of multiply templated molecularly imprinted polyaniline. Journal of Materials Science, 2007, 42, 7575-7578.	1.7	35
22	Effect of the type of monomers of molecularly imprinted polymers on the interaction with steroids. Journal of Applied Polymer Science, 1998, 68, 1863-1866.	1.3	34
23	Conjugating curcumin to water soluble polymer stabilized gold nanoparticles via pH responsive succinate linker. Journal of Materials Chemistry B, 2015, 3, 824-833.	2.9	34
24	Histidine and arginine conjugated starch-PEI and its corresponding gold nanoparticles for gene delivery. International Journal of Biological Macromolecules, 2018, 120, 999-1008.	3.6	23
25	Grafting of Î²-cyclodextrin-modified 2-hydroxyethyl methacrylate onto polyurethane. Journal of Applied Polymer Science, 1996, 60, 2245-2249.	1.3	22
26	Imparting Cholesterol Recognition Sites in Radiation Polymerised Poly(2-hydroxyethyl methacrylate) by Molecular Imprinting. Polymer International, 1997, 42, 169-172.	1.6	22
27	Non enzymatic colorimetric detection of glucose using cyanophenyl boronic acid included Î²-cyclodextrin stabilized gold nanoparticles. Analytical Methods, 2016, 8, 2082-2087.	1.3	22
28	Surface imprinted polyurethane film as a chiral discriminator. Talanta, 2006, 68, 1037-1039.	2.9	20
29	Synthesis and evaluation of a hydrogel that binds glucose and releases ciprofloxacin. Journal of Materials Science, 2010, 45, 4006-4012.	1.7	20
30	Application of molecularly imprinted polymer as a drug retaining matrix. Angewandte Makromolekulare Chemie, 1997, 246, 65-69.	0.3	19
31	Identification of salicylic acid using surface modified polyurethane film using an imprinted layer of polyaniline. Analytica Chimica Acta, 2007, 583, 284-288.	2.6	18
32	Alternate method for grafting thermoresponsive polymer for transferringin vitro cell sheet structures. Journal of Applied Polymer Science, 2007, 105, 2245-2251.	1.3	17
33	On the feasibility of using molecularly imprinted poly (Hema) as a sensor component. Talanta, 1997, 44, 1137-1140.	2.9	16
34	Synthesis and Evaluation of Î²-Cyclodextrin-2-Hydroxyethyl Methacrylate Copolymer as a Novel Adsorbent. Polymer International, 1997, 42, 22-24.	1.6	15
35	Hydrogen-bond assisted, aggregation-induced emission of digitonin. RSC Advances, 2015, 5, 100176-100183.	1.7	15
36	Imparting affinity sites for adenosine triphosphate on the surface of polyurethane through molecular imprinting. Journal of Applied Polymer Science, 2004, 94, 2088-2090.	1.3	13

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37	Detection and imaging of fatty plaques in blood vessels using functionalized carbon dots. Analytical Methods, 2015, 7, 9482-9488.	1.3	13
38	Synthesis and evaluation of a molecularly imprinted polyurethane-poly(HEMA) semi-interpenetrating polymer networks as membrane. Journal of Applied Polymer Science, 1998, 70, 19-22.	1.3	12
39	Preparation of polyvinyl alcohol hydrogel through the selective complexation of amorphous phase. Journal of Applied Polymer Science, 2001, 82, 143-149.	1.3	12
40	Effect of blending ?-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
41	Synthesis and characterization of poly(vinyl alcohol)-Î²-cyclodextrin copolymer. Angewandte Makromolekulare Chemie, 1996, 235, 15-20.	0.3	11
42	The use of metal-containing monomer in the preparation of molecularly imprinted polymer to increase the adsorption capacity. Journal of Applied Polymer Science, 2001, 80, 2795-2799.	1.3	11
43	Detection of creatinine enriched on a surface imprinted polystyrene film using FT-ATR-IR. Journal of Molecular Recognition, 2006, 19, 408-412.	1.1	10
44	Glutathione-bearing fluorescent polymer-curcumin conjugate enables simultaneous drug delivery and label-free cellular imaging. Polymer, 2015, 75, 25-33.	1.8	10
45	Methotrexate anchored carbon dots as theranostic probes: digitonin conjugation enhances cellular uptake and cytotoxicity. RSC Advances, 2016, 6, 56313-56318.	1.7	10
46	Calcium ion modulates protein release from chitosan-hyaluronic acid poly electrolyte gel. Polymer Engineering and Science, 2015, 55, 2089-2097.	1.5	9
47	Sorption studies in a polyurethaneâ€“Î²-cyclodextrin blend. Polymer International, 1994, 34, 221-223.	1.6	8
48	Solvent effect on the interaction of steroids with a novel methyl ?-cyclodextrin polymer. Journal of Applied Polymer Science, 1998, 68, 1857-1861.	1.3	8
49	Aggregation of gold nanoparticles followed by methotrexate release enables Raman imaging of drug delivery into cancer cells. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	8
50	The effect of polymerisation methods on the adsorption capacity of HEMA based molecularly imprinted polymers. Journal of Polymer Research, 2001, 8, 197-200.	1.2	7
51	Improving the efficiency of imprinting in poly(HEMA) for polyaromatic hydrocarbon using silver ions. Journal of Applied Polymer Science, 2008, 109, 3275-3278.	1.3	7
52	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
53	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
54	Diffusion of water and alcohol in chemically modified polyurethane. Polymer International, 1993, 30, 363-365.	1.6	5

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55	Absorption characteristics of a novel semi-IPN membrane based on ?-cyclodextrin toward testosterone and progesterone. Journal of Applied Polymer Science, 1997, 64, 1811-1814.	1.3	5
56	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
57	An aqueous process to graft 2-hydroxyl ethyl methacrylate onto polyvinyl chloride through its functional group. Journal of Applied Polymer Science, 1999, 74, 113-118.	1.3	4
58	Molecularly imprinted polymer as storage medium for an analyte. Bioseparation, 2001, 10, 395-398.	0.7	4
59	Ferric Iron-Containing Molecularly Imprinted Polymer as an Adsorbent for Cholesterol. Adsorption Science and Technology, 2003, 21, 261-268.	1.5	4
60	A novel thermoresponsive graft copolymer containing phosphorylated HEMA for generating detachable cell layers. Journal of Applied Polymer Science, 2010, 115, 52-62.	1.3	4
61	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
62	USE OF DIFFERENTIAL SCANNING CALORIMETRY TO STUDY THE REPLACEMENT OF A GUEST MOLECULE FROM CYCLODEXTRINâ€“GUEST INCLUSION COMPLEXES. Analytical Letters, 2001, 34, 307-311.	1.0	3
63	Use of crosslinked poly(ferric acrylate) as a sorbent in solid-phase extraction. Journal of Applied Polymer Science, 2002, 83, 2184-2187.	1.3	3
64	Title is missing!. Angewandte Makromolekulare Chemie, 1986, 142, 51-60.	0.3	2
65	Effect of added silver ions on physiochemical properties of polyurethane. Journal of Applied Polymer Science, 1997, 65, 2081-2084.	1.3	2
66	Effect of blending methyl ?-cyclodextrin on the release of hydrophobic hydrocortisone into water from polyurethane. Journal of Applied Polymer Science, 2001, 81, 520-522.	1.3	2
67	A GPC Method for Analysis of Low Molecular Weight Drugs. Journal of Liquid Chromatography and Related Technologies, 1984, 7, 2297-2305.	0.9	1
68	Thermal analysis of used and radiation treated polycarbonate (L-MW) biomaterial. Bulletin of Materials Science, 1988, 10, 257-261.	0.8	1
69	Title is missing!. Acta Polymerica, 1991, 42, 49-50.	1.3	1
70	Characterization of poly(urethane-g-methyl methacrylate) by GPC. Acta Polymerica, 1992, 43, 188-189.	1.3	1
71	Transport studies in poly(methyl methacryalate-g-urethane). Polymer Engineering and Science, 1993, 33, 1366-1369.	1.5	1
72	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

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73	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
74	Grafting of Î²â€cyclodextrinâ€modified 2â€hydroxyethyl methacrylate onto polyurethane. Journal of Applied Polymer Science, 1996, 60, 2245-2249.	1.3	1
75	On the Nature of Physiologically Unique 37Â°C Phase Transition of Cholesterol. Spectroscopy Letters, 1983, 16, 855-864.	0.5	0
76	Title is missing!. Acta Polymerica, 1987, 38, 312-313.	1.3	0
77	Negentropy and retention in reversed phase liquid chromatography. Chromatographia, 1990, 29, 90-92.	0.7	0
78	Effect of hard segments on the refractive index of polyurethane based on H12MDI. Acta Polymerica, 1991, 42, 402-403.	1.3	0
79	Title is missing!. Acta Polymerica, 1992, 43, 189-190.	1.3	0
80	On the observation of the need for an unusually high concentration of cysteine and homocysteine to induce aggregation of polymer-stabilized gold nano particles. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	0
81	Combined dye adsorption and HPLC for determination of hydrophilicity in polymers. International Journal of Artificial Organs, 1990, 13, 704-6.	0.7	0