

Roshan Deen Gr

List of Publications by Year in descending order

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55
papers

1,532
citations

430442

18
h-index

315357

38
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all docs

55
docs citations

55
times ranked

2462
citing authors

#	ARTICLE	IF	CITATIONS
1	Late-stage coarsening of oil droplets of excess oil in microemulsions following a temperature quench. International Journal of Materials Research, 2022, 97, 285-289.	0.1	0
2	Effect of nature of chemical crosslinker on swelling and solubility parameter of a new stimuli-responsive cationic poly(N-acryloyl-N-ethyl piperazine) hydrogel. Polymer Bulletin, 2018, 75, 221-238.	1.7	13
3	Enhanced transfection of a macromolecular lignin-based DNA complex with low cellular toxicity. Bioscience Reports, 2018, 38, .	1.1	8
4	Stimuli-Responsive Cationic Hydrogels in Drug Delivery Applications. Gels, 2018, 4, 13.	2.1	64
5	Myoglobin and β -Lactalbumin Form Smaller Complexes with the Biosurfactant Rhamnolipid Than with SDS. Biophysical Journal, 2017, 113, 2621-2633.	0.2	29
6	Formation and properties of nanoemulsions. , 2016, , 193-226.		6
7	Influence of external stimuli on the network properties of cationic poly(N-acryloyl-N-ethyl piperazine) hydrogels. Journal of Materials Research, 2016, 30, 1012-1020.	1.8	19
8	New stimuli-responsive polyampholyte: Effect of chemical structure and composition on solution properties and swelling mechanism. Polymer, 2016, 104, 91-103.	1.8	9
9	Utilising inorganic nanocarriers for gene delivery. Biomaterials Science, 2016, 4, 70-86.	2.6	297
10	Synthesis and Properties of New Stimuli-Responsive Nanocomposite Hydrogels Containing Silver Nanoparticles. Gels, 2015, 1, 117-134.	2.1	32
11	Investigation on the structure of temperature-responsive N-isopropylacrylamide microgels containing a new hydrophobic crosslinker. Cogent Chemistry, 2015, 1, 1012658.	2.5	10
12	Network Structure and Congo Red Dye Removal Characteristics of New Temperature-Responsive Hydrogels. Separation Science and Technology, 2015, 50, 64-71.	1.3	14
13	Effect of surfactant and heat treatment on morphology, surface area and crystallinity in hydroxyapatite nanocrystals. Ceramics International, 2013, 39, 39-50.	2.3	53
14	THERMOGELLING COPOLYMERS FOR MEDICAL APPLICATIONS. Journal of Molecular and Engineering Materials, 2013, 01, 1330002.	0.9	11
15	Influence of multiple stimuli on the lower critical solution temperature of new cationic poly(N-acryloyl-N-ethyl piperazine-co-N-isopropylacrylamide) solutions. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 1175-1183.	1.4	8
16	Influence of a New Stiff Crosslinker on the Swelling of Poly(N-isopropyl Acrylamide-co-Sodium) Polymeric Biomaterials, 2013, 62, 517-523.	1.8	5
17	Solution Properties of Water-Soluble Smart Poly(N-acryloyl-N-ethyl piperazine-co-methyl) Hydrogels. Journal of Materials Research, 2013, 27, 1012-1020.	2.0	11
18	New pH-responsive linear and crosslinked functional copolymers of N-acryloyl-N-phenyl piperazine with acrylic acid and hydroxyethyl methacrylate: synthesis, reactivity, and effect of steric hindrance on swelling. Polymer Bulletin, 2012, 69, 827-846.	1.7	7

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19	New Cationic Linear Copolymers and Hydrogels of <i>N</i> -Vinyl Caprolactam and <i>N</i> -Acryloyl- ϵ -ethyl Piperazine: Synthesis, Reactivity, Influence of External Stimuli on the LCST and Swelling Properties. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 13354-13365.	1.8	24
20	Structures of PEP-PEO Block Copolymer Micelles: Effects of Changing Solvent and PEO Length and Comparison to a Thermodynamic Model. <i>Macromolecules</i> , 2012, 45, 430-440.	2.2	21
21	Micro-DSC, rheological and NMR investigations of the gelation of gallic acid and xyloglucan. <i>Soft Matter</i> , 2012, 8, 7258.	1.2	14
22	Biodegradable elastomers based on ABA triblocks: influence of end-block crystallinity on elastomeric character. <i>Polymer International</i> , 2012, 61, 43-50.	1.6	16
23	Synthesis, swelling properties, and network structure of new stimuli-responsive poly(<i>N</i> -acryloyl- ϵ -ethyl piperazine-co- <i>N</i> -isopropylacrylamide) hydrogels. <i>Journal of Polymer Science Part A</i> , 2012, 50, 3363-3372.	2.6	17
24	Characterization and degradation of elastomeric four-armed star copolymers based on caprolactone and L-lactide. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 3436-3445.	2.1	15
25	Synthesis and characterization of nanogels of poly(<i>N</i> -isopropylacrylamide) by a combination of light and small-angle X-ray scattering. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 3108-3114.	1.3	28
26	Quenching of surface traps in Mn doped ZnO thin films for enhanced optical transparency. <i>Applied Surface Science</i> , 2011, 258, 890-897.	3.1	65
27	TiO ₂ Nano-cluster Thin Films by Dense Plasma Focus and Ion Implantation Effect on its Photocatalytic Activity. <i>Journal of Advanced Oxidation Technologies</i> , 2011, 14, .	0.5	0
28	New functional copolymers of <i>N</i> -acryloyl- ϵ -methyl piperazine and 2-hydroxyethyl methacrylate: synthesis, determination of reactivity ratios and swelling characteristics of gels. <i>Polymer Bulletin</i> , 2011, 66, 301-313.	1.7	7
29	Structure of PEP-PEO block copolymer micelles: exploiting the complementarity of small-angle X-ray scattering and static light scattering. <i>Journal of Applied Crystallography</i> , 2011, 44, 473-482.	1.9	18
30	Swelling Behavior and Metal-Ion Uptake Capacity of pH-Responsive Hydrogels of Poly(<i>N</i> -acryloyl- ϵ -ethylpiperazine). <i>Journal of Dispersion Science and Technology</i> , 2010, 31, 1673-1678.	1.3	9
31	Anisotropic Crystal Growth Kinetics of Anatase TiO ₂ Nanoparticles Synthesized in a Nonaqueous Medium. <i>Chemistry of Materials</i> , 2010, 22, 6044-6055.	3.2	77
32	Nucleation of an Oil Phase in a Nonionic Microemulsion-Containing Chlorinated Oil upon Systematic Temperature Quench. <i>Journal of Physical Chemistry B</i> , 2010, 114, 7769-7776.	1.2	5
33	New piperazine-based polymerizable monoquatary cationic surfactants: Synthesis, polymerization, and swelling characteristics of gels. <i>Journal of Polymer Science Part A</i> , 2009, 47, 2059-2072.	2.5	11
34	Phase Behavior and Kinetics of Phase Separation of a Nonionic Microemulsion of C ₁₂ E ₅ /Water/1-Chlorotetradecane upon a Temperature Quench. <i>Journal of Physical Chemistry B</i> , 2009, 113, 7138-7146.	1.2	13
35	Influence of amino group pKa on the properties of stimuli-responsive piperazine-based polymers and hydrogels. <i>Journal of Applied Polymer Science</i> , 2008, 107, 1449-1458.	1.3	17
36	Phase Behavior and Microstructure of C ₁₂ E ₅ Nonionic Microemulsions with Chlorinated Oils. <i>Langmuir</i> , 2008, 24, 3111-3117.	1.6	14

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37	Collapse of Linear Polyelectrolyte Chains in a Poor Solvent: When Does a Collapsing Polyelectrolyte Collect its Counterions?. <i>Macromolecules</i> , 2008, 41, 9352-9358.	2.2	51
38	Study of Microemulsion Polymerization Conditions on the Preparation of α -Stimuli-Responsive Copolymer Nanogels of N-Acryloyl-N-methyl Piperazine and Methyl Methacrylate. <i>Journal of Dispersion Science and Technology</i> , 2008, 29, 431-435.	1.3	6
39	Microemulsion Droplets Decorated by Brij700 Block Copolymer: Phase Behavior and Structural Investigation by SAXS and SANS. <i>Langmuir</i> , 2007, 23, 6544-6553.	1.6	14
40	Structural Development of Self Nano Emulsifying Drug Delivery Systems (SNEDDS) During In Vitro Lipid Digestion Monitored by Small-angle X-ray Scattering. <i>Pharmaceutical Research</i> , 2007, 24, 1844-1853.	1.7	109
41	Determination of reactivity ratios and swelling characteristics of α -stimuli-responsive copolymers of N-acryloyl-N-ethyl piperazine and MMA. <i>Polymer</i> , 2006, 47, 5025-5034.	1.8	21
42	Late-stage coarsening of oil droplets of excess oil in microemulsions following a temperature quench. <i>International Journal of Materials Research</i> , 2006, 97, 285-289.	0.8	1
43	Preparation and characterization of PbS nanoclusters made by using a powder method on ionomers. <i>Polymer</i> , 2005, 46, 10883-10889.	1.8	9
44	A new cationic surfactant N,N-dimethyl-N-acryloyloxyundecyl piperazinium bromide and its pH-sensitive gels by microemulsion polymerisation. <i>Polymer</i> , 2004, 45, 5483-5490.	1.8	17
45	Preparation and Luminescence Properties of Neodymium(III) Oxide Nanocrystals Dispersed in Sol-gel Titania/ (β -glycidoxypropyl)Trimethoxysilane Composite Thin Films. <i>Journal of Materials Research</i> , 2002, 17, 1399-1405.	1.2	18
46	Up-conversion luminescence of erbium (III) oxalate nanoparticles/titania/ β -glycidoxypropyltrimethoxysilane composite sol-gel thin films. <i>Journal of Electronic Materials</i> , 2001, 30, 7-10.	1.0	4
47	New stimuli-responsive copolymers of N-acryloyl-N-alkyl piperazine and methyl methacrylate and their hydrogels. <i>Polymer</i> , 2001, 42, 65-69.	1.8	79
48	Up-conversion emission in violet from neodymium oxalate and neodymium oxide phosphors obtained by microemulsion technique. <i>Materials Science and Engineering C</i> , 2001, 16, 153-156.	3.8	14
49	Preparation and characterization of erbium oxalate and erbium oxide nanoparticles by microemulsion technique. <i>Materials Science and Engineering C</i> , 2001, 16, 51-54.	3.8	12
50	Water-sorption and metal-uptake behavior of pH-responsive poly (N-acryloyl-N-methylpiperazine) gels. <i>Journal of Applied Polymer Science</i> , 2001, 80, 268-273.	1.3	30
51	Water sorption studies of new pH-responsive N-acryloyl-N-methyl piperazine and methyl methacrylate hydrogels. <i>European Polymer Journal</i> , 2001, 37, 1473-1478.	2.6	40
52	Photoluminescence of erbium oxide nanocrystals/TiO ₂ / β -glycidoxypropyltrimethoxysilane (GLYMO) composite sol-gel thin films derived at low temperature. <i>Journal of Applied Physics</i> , 2001, 89, 3058-3060.	1.1	8
53	Poly(N-acryloyl-N-propylpiperazine): A New Stimuli-Responsive Polymer. <i>Macromolecules</i> , 2000, 33, 7893-7897.	2.2	107
54	Chemical accumulation and voltammetric determination of traces of nickel(II) at glassy carbon electrodes modified with dimethyl glyoxime containing polymer coatings. <i>Talanta</i> , 1999, 49, 651-659.	2.9	16

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55	Synthesis and Properties of Piperazine Derivatives and Their Quaternary Ammonium Amphiphilic Salts. Journal of Colloid and Interface Science, 1996, 183, 329-338.	5.0	9