Santanu Bhattacharya

List of Publications by Year
in descending order

359 papers	16,541 citations	10389 72 h-index	30087 103 g-index
373 all docs	373 docs citations	373 times ranked	14973 citing authors

#	Article	IF	Citations
1	First report of phase selective gelation of oil from oil/water mixtures. Possible implications toward containing oil spills. Chemical Communications, 2001, , 185-186.	4.1	331
2	Colorimetric Probes Based on Anthraimidazolediones for Selective Sensing of Fluoride and Cyanide Ion via Intramolecular Charge Transfer. Journal of Organic Chemistry, 2011, 76, 8215-8222.	3.2	305
3	Hierarchical Assemblies of Supramolecular Coordination Complexes. Accounts of Chemical Research, 2018, 51, 2047-2063.	15.6	265
4	Soft-Nanocomposites of Nanoparticles and Nanocarbons with Supramolecular and Polymer Gels and Their Applications. Chemical Reviews, 2016, 116, 11967-12028.	47.7	259
5	Role of Spacer Chain Length in Dimeric Micellar Organization. Small Angle Neutron Scattering and Fluorescence Studies. The Journal of Physical Chemistry, 1996, 100, 11664-11671.	2.9	258
6	Advances in gene delivery through molecular design of cationic lipids. Chemical Communications, 2009, , 4632.	4.1	245
7	Multifarious facets of sugar-derived molecular gels: molecular features, mechanisms of self-assembly and emerging applications. Chemical Society Reviews, 2015, 44, 5596-5637.	38.1	230
8	Synthesis and Antibacterial Properties of Novel Hydrolyzable Cationic Amphiphiles. Incorporation of Multiple Head Groups Leads to Impressive Antibacterial Activity. Journal of Medicinal Chemistry, 2005, 48, 3823-3831.	6.4	202
9	Twoâ€Component Hydrogels Comprising Fatty Acids and Amines: Structure, Properties, and Application as a Template for the Synthesis of Metal Nanoparticles. Chemistry - A European Journal, 2008, 14, 6534-6545.	3.3	202
10	Electrochemical Stimuli-Driven Facile Metal-Free Hydrogen Evolution from Pyrene-Porphyrin-Based Crystalline Covalent Organic Framework. ACS Applied Materials & Interfaces, 2017, 9, 23843-23851.	8.0	179
11	Self-assembled poly-catenanes from supramolecular toroidal building blocks. Nature, 2020, 583, 400-405.	27.8	177
12	Catechol Oxidase Activity of a Series of New Dinuclear Copper(II) Complexes with 3,5-DTBC and TCC as Substrates: Syntheses, X-ray Crystal Structures, Spectroscopic Characterization of the Adducts and Kinetic Studies. Inorganic Chemistry, 2008, 47, 7083-7093.	4.0	176
13	Selective and Efficient Detection of Nitro-Aromatic Explosives in Multiple Media including Water, Micelles, Organogel, and Solid Support. ACS Applied Materials & Interfaces, 2013, 5, 8394-8400.	8.0	172
14	Modulation of Viscoelastic Properties of Physical Gels by Nanoparticle Doping: Influence of the Nanoparticle Capping Agent. Angewandte Chemie - International Edition, 2006, 45, 2934-2937.	13.8	159
15	Interactions between cholesterol and lipids in bilayer membranes. Role of lipid headgroup and hydrocarbon chainâ€“backbone linkage. Biochimica Et Biophysica Acta - Biomembranes, 2000, 1467, 39-53.	2.6	158
16	Palmitoylation of bovine opsin and its cysteine mutants in COS cells.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 40-44.	7.1	154
17	Pancreatic Cancerâ€“Derived Exosomes Cause Paraneoplastic Î²-cell Dysfunction. Clinical Cancer Research, 2015, 21, 1722-1733.	7.0	147
18	Supramolecular Polymers Capable of Controlling Their Topology. Accounts of Chemical Research, 2019, 52, 1325-1335.	15.6	141

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19	Pronounced Hydrogel Formation by the Self-Assembled Aggregates ofN-Alkyl Disaccharide Amphiphiles. Chemistry of Materials, 1999, 11, 3504-3511.	6.7	137
20	Evidence of Interlipidic Ion-Pairing in Anion-Induced DNA Release from Cationic Amphiphileâ^'DNA Complexes. Mechanistic Implications in Transfectionâ€. Biochemistry, 1998, 37, 7764-7777.	2.5	133
21	Molecular mechanism of physical gelation of hydrocarbons by fatty acid amides of natural amino acids. Tetrahedron, 2007, 63, 7334-7348.	1.9	124
22	Nature of linkage between the cationic headgroup and cholesteryl skeleton controls gene transfection efficiency. FEBS Letters, 2000, 473, 341-344.	2.8	121
23	Interaction of surfactants with DNA. Role of hydrophobicity and surface charge on intercalation and DNA melting. Biochimica Et Biophysica Acta - Biomembranes, 1997, 1323, 29-44.	2.6	120
24	Medical Implications of Benzimidazole Derivatives as Drugs Designed for Targeting DNA and DNA Associated Processes. Current Medicinal Chemistry, 2008, 15, 1762-1777.	2.4	120
25	Design, Synthesis, and in Vitro Gene Delivery Efficacies of Novel Cholesterol-Based Gemini Cationic Lipids and Their Serum Compatibility:Â A Structureâ^'Activity Investigation. Journal of Medicinal Chemistry, 2007, 50, 2432-2442.	6.4	116
26	Structure and properties of two component hydrogels comprising lithocholic acid and organic amines. Journal of Materials Chemistry, 2009, 19, 4325.	6.7	116
27	Mono- and dinuclear manganese(III) complexes showing efficient catechol oxidase activity: syntheses, characterization and spectroscopic studies. Dalton Transactions, 2009, , 8755.	3.3	115
28	Advances in the molecular design of potential anticancer agents via targeting of human telomeric DNA. Chemical Communications, 2014, 50, 6422-6438.	4.1	115
29	Covalent organic framework based microspheres as an anode material for rechargeable sodium batteries. Journal of Materials Chemistry A, 2018, 6, 16655-16663.	10.3	113
30	Efficient Management of Fruit Pests by Pheromone Nanogels. Scientific Reports, 2013, 3, 1294.	3.3	112
31	Inflammation and cancer stem cells. Cancer Letters, 2014, 345, 271-278.	7.2	105
32	Novel Gemini Micelles from Dimeric Surfactants with Oxyethylene Spacer Chain. Small Angle Neutron Scattering and Fluorescence Studies. Journal of Physical Chemistry B, 1998, 102, 6152-6160.	2.6	104
33	Aptamers as Theranostic Agents: Modifications, Serum Stability and Functionalisation. Sensors, 2013, 13, 13624-13637.	3.8	104
34	Synthesis and Gene Transfection Efficacies of PEIâ^'Cholesterol-Based Lipopolymers. Bioconjugate Chemistry, 2008, 19, 1640-1651.	3.6	103
35	Why Is Less Cationic Lipid Required To Prepare Lipoplexes from Plasmid DNA than Linear DNA in Gene Therapy?. Journal of the American Chemical Society, 2011, 133, 18014-18017.	13.7	103
36	Efficacious Anticancer Drug Delivery Mediated by a pHâ€Sensitive Selfâ€Assembly of a Conserved Tripeptide Derived from Tyrosine Kinase NGF Receptor. Angewandte Chemie - International Edition, 2014, 53, 1113-1117.	13.8	100

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37	DNA binders in clinical trials and chemotherapy. Bioorganic and Medicinal Chemistry, 2014, 22, 4506-4521.	3.0	100
38	Impressive Gelation in Organic Solvents by Synthetic, Low Molecular Mass, Self-Organizing Urethane Amides of l-Phenylalanine. Chemistry of Materials, 1999, 11, 3121-3132.	6.7	99
39	Palladium catalyzed alkynylation of aryl halides (Sonogashira reaction) in water. Tetrahedron Letters, 2004, 45, 8733-8736.	1.4	96
40	Remarkably facile Heck and Suzuki reactions in water using a simple cationic surfactant and ligand-free palladium catalysts. Tetrahedron Letters, 2005, 46, 3557-3560.	1.4	96
41	Carbon nanotube reinforced supramolecular gels with electrically conducting, viscoelastic and near-infrared sensitive properties. Journal of Materials Chemistry, 2010, 20, 6881.	6.7	96
42	Thermodynamics of Micellization of Multiheaded Single-Chain Cationic Surfactantsâ€. Langmuir, 2004, 20, 7940-7947.	3.5	93
43	Ratiometric, Reversible, and Parts per Billion Level Detection of Multiple Toxic Transition Metal Ions Using a Single Probe in Micellar Media. ACS Applied Materials & Interfaces, 2013, 5, 2438-2445.	8.0	93
44	Design and Synthesis of New Benzimidazoleâ€“Carbazole Conjugates for the Stabilization of Human Telomeric DNA, Telomerase Inhibition, and Their Selective Action on Cancer Cells. Journal of Medicinal Chemistry, 2014, 57, 6973-6988.	6.4	92
45	Alanine-Based Chiral Metallogels via Supramolecular Coordination Complex Platforms: Metallogelation Induced Chirality Transfer. Journal of the American Chemical Society, 2018, 140, 3257-3263.	13.7	91
46	Orthogonal self-assembly of an organoplatinum(II) metallacycle and cucurbit[8]uril that delivers curcumin to cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8087-8092.	7.1	88
47	How Does the Spacer Length of Cationic Gemini Lipids Influence the Lipoplex Formation with Plasmid DNA? Physicochemical and Biochemical Characterizations and their Relevance in Gene Therapy. Biomacromolecules, 2012, 13, 3926-3937.	5.4	87
48	Role of the Central Metal Ion and Ligand Charge in the DNA Binding and Modification by Metallosalen Complexes. Bioconjugate Chemistry, 1997, 8, 798-812.	3.6	83
49	An Experimental and Computational Analysis on the Differential Role of the Positional Isomers of Symmetric Bis-2-(pyridyl)-1H-benzimidazoles as DNA Binding Agents. Journal of Organic Chemistry, 2007, 72, 1912-1923.	3.2	82
50	Effect of the Nature of the Spacer on Gene Transfer Efficacies of Novel Thiocholesterol Derived Gemini Lipids in Different Cell Lines: A Structureâ€“Activity Investigation. Journal of Medicinal Chemistry, 2008, 51, 2533-2540.	6.4	82
51	Synthesis and properties of novel nanocomposites made of single-walled carbon nanotubes and low molecular mass organogels and their thermo-responsive behavior triggered by near IR radiation. Journal of Materials Chemistry, 2008, 18, 2593.	6.7	81
52	Excellent chirality transcription in two-component photochromic organogels assembled through J-aggregation. Chemical Communications, 2013, 49, 1425.	4.1	81
53	A Tetrameric Sugar-Based Azobenzene That Gels Water at Various pH Values and in the Presence of Salts. Journal of Organic Chemistry, 2005, 70, 6574-6582.	3.2	80
54	Synthesis and DNA binding studies of Ni(II), Co(II), Cu(II) and Zn(II) metal complexes of N1,N5-bis[pyridine-2-methylene]-thiocarbohydrazone Schiff-base ligand. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 79, 1050-1056.	3.9	80

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55	Rhodamine based dual probes for selective detection of mercury and fluoride ions in water using two mutually independent sensing pathways. Analyst, The, 2014, 139, 2370.	3.5	80
56	Soft Functional Materials Induced by Fibrillar Networks of Small Molecular Photochromic Gelators. Langmuir, 2009, 25, 8378-8381.	3.5	79
57	Vesicle Formation from Dimeric Ion-Paired Amphiphiles. Control over Vesicular Thermotropic and Ion-Transport Properties as a Function of Intra-amphiphilic Headgroup Separationâ€. Langmuir, 1999, 15, 3400-3410.	3.5	78
58	Aggregation induced emission switching and electrical properties of chain length dependent Ï€-gels derived from phenylenedivinylene bis-pyridinium salts in alcoholâ€“water mixtures. Journal of Materials Chemistry, 2012, 22, 25277.	6.7	78
59	Synthesis and Gene Transfer Activities of Novel Serum Compatible Cholesterol-Based Gemini Lipids Possessing Oxyethylene-Type Spacers. Bioconjugate Chemistry, 2007, 18, 1537-1546.	3.6	77
60	Metallomicelles as potent catalysts for the ester hydrolysis reactions in water. Coordination Chemistry Reviews, 2009, 253, 2133-2149.	18.8	77
61	Synthesis of a novel thiazole based dipeptide chemosensor for Cu(II) in water. Tetrahedron Letters, 2000, 41, 10313-10317.	1.4	76
62	Molecular Modulation of Surfactant Aggregation in Water: Effect of the Incorporation of Multiple Headgroups on Micellar Properties. Angewandte Chemie - International Edition, 2001, 40, 1228-1232.	13.8	76
63	A Unique Nickel System having Versatile Catalytic Activity of Biological Significance. Inorganic Chemistry, 2010, 49, 3121-3129.	4.0	76
64	Small-Angle Neutron Scattering Studies of Different Mixed Micelles Composed of Dimeric and Monomeric Cationic Surfactants. Journal of Physical Chemistry B, 1997, 101, 5639-5645.	2.6	75
65	Stabilization and Structural Alteration of the G-Quadruplex DNA Made from the Human Telomeric Repeat Mediated by TrÃ¶gerâ€™s Base Based Novel Benzimidazole Derivatives. Journal of Medicinal Chemistry, 2012, 55, 7460-7471.	6.4	75
66	Efficacious Electrochemical Oxygen Evolution from a Novel Co(II) Porphyrin/Pyrene-Based Conjugated Microporous Polymer. ACS Applied Materials & Interfaces, 2019, 11, 1520-1528.	8.0	75
67	Vesicle and Tubular Microstructure Formation from Synthetic Sugar-Linked Amphiphiles. Evidence of Vesicle Formation from Single-Chain Amphiphiles Bearing a Disaccharide Headgroupâ€. Langmuir, 2000, 16, 87-97.	3.5	74
68	Ester Cleavage Properties of Synthetic Hydroxybenzotriazoles in Cationic Monovalent and Gemini Surfactant Micelles. Langmuir, 2005, 21, 71-78.	3.5	74
69	Pyridylenevinylene based Cu²⁺-specific, injectable metallo(hydro)gel: thixotropy and nanoscale metalâ€“organic particles. Chemical Communications, 2014, 50, 11690-11693.	4.1	74
70	Advantage of the Ether Linkage between the Positive Charge and the Cholesteryl Skeleton in Cholesterol-Based Amphiphiles as Vectors for Gene Delivery. Bioconjugate Chemistry, 2002, 13, 378-384.	3.6	73
71	Synthesis of New Cu(II)-Chelating Ligand Amphiphiles and Their Esterolytic Properties in Cationic Micelles. Journal of Organic Chemistry, 2003, 68, 2741-2747.	3.2	73
72	Interaction of G-Quadruplexes with Nonintercalating Duplex-DNA Minor Groove Binding Ligands. Bioconjugate Chemistry, 2011, 22, 2355-2368.	3.6	73

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73	A cationic cholesterol based nanocarrier for the delivery of p53-EGFP-C3 plasmid to cancer cells. Biomaterials, 2014, 35, 1334-1346.	11.4	73
74	Surfactants Possessing Multiple Polar Heads. A Perspective on their Unique Aggregation Behavior and Applications. Journal of Physical Chemistry Letters, 2011, 2, 914-920.	4.6	72
75	Unusual Saltâ€Induced Color Modulation through Aggregationâ€Induced Emission Switching of a Bisâ€cationic Phenylenedivinyleneâ€Based Ï€ Hydrogelator. Chemistry - A European Journal, 2012, 18, 16632-16641.	3.3	72
76	Dimeric 1,3-Phenylene-bis(piperazinyl benzimidazole)s: Synthesis and Structureâ€“Activity Investigations on their Binding with Human Telomeric G-Quadruplex DNA and Telomerase Inhibition Properties. Journal of Medicinal Chemistry, 2012, 55, 2981-2993.	6.4	70
77	A Chemodosimetric Probe Based on a Conjugated Oxidized Bisâ€Indolyl System for Selective Nakedâ€Eye Sensing of Cyanide Ions in Water. Chemistry - an Asian Journal, 2012, 7, 2805-2812.	3.3	69
78	Choice of the End Functional Groups in Tri(p-phenylenevinylene) Derivatives Controls Its Physical Gelation Abilities. Langmuir, 2009, 25, 8567-8578.	3.5	68
79	Hydrogen-bond-directed self-assembly of D-(+)-dibenzoyltartaric acid and 4-aminopyridine: optical nonlinearities and stoichiometry-dependent novel structural features. Chemistry of Materials, 1994, 6, 531-537.	6.7	67
80	Synthesis and Vesicle Formation from Dimeric Pseudoglyceryl Lipids with (CH2)m Spacers: Pronounced m-Value Dependence of Thermal Properties, Vesicle Fusion, and Cholesterol Complexation. Chemistry - A European Journal, 1999, 5, 2335-2347.	3.3	67
81	Recent Update on Targeting c-MYC G-Quadruplexes by Small Molecules for Anticancer Therapeutics. Journal of Medicinal Chemistry, 2021, 64, 42-70.	6.4	67
82	The effects of cholesterol inclusion on the vesicular membranes of cationic lipids. Biochimica Et Biophysica Acta - Biomembranes, 1996, 1283, 21-30.	2.6	66
83	Synthesis of Some Copper(II)-Chelating (Dialkylamino)pyridine Amphiphiles and Evaluation of Their Esterolytic Capacities in Cationic Micellar Media. Journal of Organic Chemistry, 1998, 63, 27-35.	3.2	65
84	Evidence of Enhanced Reactivity of DAAP Nucleophiles toward Dephosphorylation and Deacylation Reactions in Cationic Gemini Micellar Media. Journal of Organic Chemistry, 2004, 69, 559-562.	3.2	64
85	Graphene as a Nanocarrier for Tamoxifen Induces Apoptosis in Transformed Cancer Cell Lines of Different Origins. Small, 2012, 8, 131-143.	10.0	64
86	Self-Assembly of Metallacages into Multidimensional Suprastructures with Tunable Emissions. Journal of the American Chemical Society, 2018, 140, 12819-12828.	13.7	63
87	DNA cleavage by intercalatable cobaltâ€“bispicolylamine complexes activated by visible light. Chemical Communications, 1996, , 1515-1516.	4.1	62
88	Physical Gelation of Binary Mixtures of Hydrocarbons Mediated by n-Lauroyl-<scp>l</scp>-Alanine and Characterization of Their Thermal and Mechanical Properties. Journal of Physical Chemistry B, 2008, 112, 4918-4927.	2.6	60
89	Synthesis, Thermotropic Behavior, and Permeability Properties of Vesicular Membranes Composed of Cationic Mixed-Chain Surfactants. Langmuir, 1995, 11, 4748-4757.	3.5	59
90	Synthesis and Vesicle Formation from Hybrid Bolaphile/Amphiphile Ion-Pairs. Evidence of Membrane Property Modulation by Molecular Design. Journal of Organic Chemistry, 1998, 63, 7640-7651.	3.2	59

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91	GAIP Interacting Protein C-Terminus Regulates Autophagy and Exosome Biogenesis of Pancreatic Cancer through Metabolic Pathways. PLoS ONE, 2014, 9, e114409.	2.5	59
92	Remarkable role of positional isomers in the design of sensors for the ratiometric detection of copper and mercury ions in water. RSC Advances, 2014, 4, 4230-4238.	3.6	59
93	Nanomolar Level Detection of Uric Acid in Blood Serum and Pest-Infested Grain Samples by an Amphiphilic Probe. Analytical Chemistry, 2017, 89, 10376-10383.	6.5	59
94	Ambient oxygen activating water soluble cobaltâ€“salen complex for DNA cleavage. Journal of the Chemical Society Chemical Communications, 1995, , 2489-2490.	2.0	58
95	Catechol oxidase activity of dinuclear copper(II) complexes of Robson type macrocyclic ligands: Syntheses, X-ray crystal structure, spectroscopic characterization of the adducts and kinetic studies. Journal of Molecular Catalysis A, 2009, 310, 34-41.	4.8	58
96	Symmetrical Bisbenzimidazoles with Benzenediyl Spacer: The Role of the Shape of the Ligand on the Stabilization and Structural Alterations in Telomeric G-Quadruplex DNA and Telomerase Inhibition. Bioconjugate Chemistry, 2010, 21, 1148-1159.	3.6	58
97	First report of charge-transfer induced heat-set hydrogel. Structural insights and remarkable properties. Nanoscale, 2016, 8, 11224-11233.	5.6	58
98	Exceptional adhesive and gelling properties of fibrous nanoscopic tapes of self-assembled bipolar urethane amides of L-phenylalanine. Chemical Communications, 1996, , 2101.	4.1	57
99	Synthesis and vesicle formation from novel pseudoglyceryl dimeric lipids. Evidence of formation of widely different membrane organizations with exceptional thermotropic properties. Chemical Communications, 1997, , 2287-2288.	4.1	57
100	Effect of the headgroup variation on the gene transfer properties of cholesterol based cationic lipids possessing ether linkage. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 1222-1236.	2.6	56
101	Synthesis and Evaluation of a Novel Class of G-Quadruplex-Stabilizing Small Molecules Based on the 1,3-Phenylene-Bis(piperazinyl benzimidazole) System. Biochemistry, 2009, 48, 10693-10704.	2.5	56
102	Phthalate mediated hydrogelation of a pyrene based system: a novel scaffold for shape-persistent, self-healing luminescent soft material. Journal of Materials Chemistry A, 2014, 2, 17889-17898.	10.3	56
103	Metal-ion-dependent oxidative DNA cleavage by transition metal complexes of a new water-soluble salen derivative. Journal of Inorganic Biochemistry, 1996, 63, 265-272.	3.5	55
104	Small-angle neutron scattering study of micellar structures of dimeric surfactants. Physical Review E, 1998, 57, 776-783.	2.1	55
105	Evidence of aggregation induced emission enhancement and keto-enol-tautomerism in a gallic acid derived salicylideneaniline gel. Chemical Communications, 2012, 48, 877-879.	4.1	55
106	Synthesis and Esterolytic Chemistry of Some (Dialkylamino)pyridine-Functionalized Micellar Aggregates. Evidence of Catalytic Turnover. Langmuir, 1995, 11, 4653-4660.	3.5	52
107	Composites of Graphene and Other Nanocarbons with Organogelators Assembled through Supramolecular Interactions. Chemistry - A European Journal, 2012, 18, 2890-2901.	3.3	52
108	An Efficient Probe for Rapid Detection of Cyanide in Water at Parts per Billion Levels and Nakedâ€Eye Detection of Endogenous Cyanide. Chemistry - an Asian Journal, 2014, 9, 830-837.	3.3	52

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109	Enhanced G-Quadruplex DNA Stabilization and Telomerase Inhibition by Novel Fluorescein Derived Salen and Salphen Based Ni(II) and Pd(II) Complexes. Bioconjugate Chemistry, 2017, 28, 341-352.	3.6	51
110	A conjugated microporous polymer based visual sensing platform for aminoglycoside antibiotics in water. Chemical Communications, 2018, 54, 7495-7498.	4.1	51
111	Role of Incorporation of Multiple Headgroups in Cationic Surfactants in Determining Micellar Properties. Small-Angle-Neutron-Scattering and Fluorescence Studies. Journal of Physical Chemistry B, 2001, 105, 12803-12808.	2.6	49
112	Gene Transfection Efficacies of Novel Cationic Gemini Lipids Possessing Aromatic Backbone and Oxyethylene Spacers. Biomacromolecules, 2008, 9, 991-999.	5.4	49
113	DNA Conjugated SWCNTs Enter Endothelial Cells via Rac1 Mediated Macropinocytosis. Nano Letters, 2012, 12, 1826-1830.	9.1	49
114	Targeting G-quadruplex DNA structures in the telomere and oncogene promoter regions by benzimidazoleâ€'carbazole ligands. European Journal of Medicinal Chemistry, 2018, 148, 178-194.	5.5	49
115	Effects of a Delocalizable Cation on the Headgroup of Gemini Lipids on the Lipoplex-Type Nanoaggregates Directly Formed from Plasmid DNA. Biomacromolecules, 2013, 14, 3951-3963.	5.4	47
116	Nanoengineering of Curved Supramolecular Polymers: Toward Single-Chain Mesoscale Materials. Accounts of Materials Research, 2022, 3, 259-271.	11.7	47
117	First report of Zn2+ sensing exclusively at mesoscopic interfacesElectronic supplementary information (ESI) available: additional Figs. 1â€“3. See http://www.rsc.org/suppdata/cc/b3/b301364b/. Chemical Communications, 2003, , 1158-1159.	4.1	46
118	Multifaceted peptide assisted one-pot synthesis of gold nanoparticles for plectin-1 targeted gemcitabine delivery in pancreatic cancer. Nanoscale, 2017, 9, 15622-15634.	5.6	46
119	Vesicle formation from dimeric surfactants through ion-pairing. Adjustment of polar headgroup separation leads to control over vesicular thermotropic properties. Journal of the Chemical Society Chemical Communications, 1995, , 651.	2.0	45
120	Role of Capping Ligands on the Nanoparticles in the Modulation of Properties of a Hybrid Matrix of Nanoparticles in a 2D Film and in a Supramolecular Organogel. Chemistry - A European Journal, 2009, 15, 9169-9182.	3.3	45
121	Novel Nanocomposites Made of Boron Nitride Nanotubes and a Physical Gel. Langmuir, 2010, 26, 12230-12236.	3.5	45
122	Topological Impact on the Kinetic Stability of Supramolecular Polymers. Journal of the American Chemical Society, 2019, 141, 13196-13202.	13.7	45
123	Transcription regulation of CDKN1A (p21/CIP1/WAF1) by TRF2 is epigenetically controlled through the REST repressor complex. Scientific Reports, 2017, 7, 11541.	3.3	44
124	Synthesis and Characterization of Novel Cationic Lipid and Cholesterol-Coated Gold Nanoparticles and Their Interactions with Dipalmitoylphosphatidylcholine Membranes. Langmuir, 2003, 19, 4439-4447.	3.5	43
125	Endogenous Vascular Endothelial Growth Factor-A (VEGF-A) Maintains Endothelial Cell Homeostasis by Regulating VEGF Receptor-2 Transcription. Journal of Biological Chemistry, 2012, 287, 3029-3041.	3.4	43
126	Cationic gemini lipids containing polyoxyethylene spacers as improved transfecting agents of plasmid DNA in cancer cells. Journal of Materials Chemistry B, 2014, 2, 4640.	5.8	43

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127	Formation of gel and fibrous microstructures by 1-alkyne amphiphiles bearing l-serine headgroup in organic solvents. Chemistry and Physics of Lipids, 1995, 77, 13-23.	3.2	42
128	Synthesis, DNA Binding, andLeishmaniaTopoisomerase Inhibition Activities of a Novel Series of Anthra[1,2-d]imidazole-6,11-dione Derivatives. Journal of Medicinal Chemistry, 2007, 50, 2536-2540.	6.4	42
129	Groove Binding Ligands for the Interaction with Parallel-Strandedps-Duplex DNA and Triplex DNA. Bioconjugate Chemistry, 2010, 21, 1389-1403.	3.6	42
130	Computational Study on Hydroxybenzotriazoles as Reagents for Ester Hydrolysis. Journal of Organic Chemistry, 2004, 69, 8634-8642.	3.2	41
131	Effect of the Hydrocarbon Chain and Polymethylene Spacer Lengths on Gene Transfection Efficacies of Gemini Lipids Based on Aromatic Backbone. Bioconjugate Chemistry, 2007, 18, 2144-2158.	3.6	41
132	Evidence for the Formation of Acylated or Phosphorylated Monoperoxyphthalates in the Catalytic Esterolytic Reactions in Cationic Surfactant Aggregates. Journal of Organic Chemistry, 1997, 62, 2198-2204.	3.2	40
133	Revealing the role of phospholipase CÎ²3 in the regulation of VEGF-induced vascular permeability. Blood, 2012, 120, 2167-2173.	1.4	40
134	Cardiomyopathy and Worsened Ischemic Heart Failure in SM22-Î± Cre-Mediated Neuropilin-1 Null Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 1401-1412.	2.4	40
135	New Covalent Organic Square Lattice Based on Porphyrin and Tetraphenyl Ethylene Building Blocks toward High-Performance Supercapacitive Energy Storage. Chemistry of Materials, 2021, 33, 8512-8523.	6.7	40
136	Cationic Oxyethylene Lipids. Synthesis, Aggregation, and Transfection Properties. Bioconjugate Chemistry, 2004, 15, 508-519.	3.6	39
137	Aggregation Properties of Novel Cationic Surfactants with Multiple Pyridinium Headgroups. Small-Angle Neutron Scattering and Conductivity Studies. Journal of Physical Chemistry B, 2004, 108, 11406-11411.	2.6	39
138	Small-Angle Neutron-Scattering Studies of Mixed Micellar Structures Made of Dimeric Surfactants Having Imidazolium and Ammonium Headgroups. Journal of Physical Chemistry B, 2012, 116, 13239-13247.	2.6	39
139	A new ratiometric fluorescence probe as strong sensor of surface charge of lipid vesicles and micelles. FEBS Letters, 2003, 541, 132-136.	2.8	38
140	Coarse-Grained Molecular Dynamics Simulation of the Aggregation Properties of Multiheaded Cationic Surfactants in Water. Journal of Physical Chemistry B, 2009, 113, 13545-13550.	2.6	38
141	A Glimpse of Our Journey into the Design of Optical Probes in Selfâ€assembled Surfactant Aggregates. Chemical Record, 2016, 16, 1934-1949.	5.8	38
142	Natural tripeptide capped pH-sensitive gold nanoparticles for efficacious doxorubicin delivery both in vitro and in vivo. Nanoscale, 2020, 12, 1067-1074.	5.6	38
143	Switchable Optical Probes for Simultaneous Targeting of Multiple Anions. Chemistry - an Asian Journal, 2020, 15, 1759-1779.	3.3	37
144	Chemically Modified Peptides Targeting the PDZ Domain of GIPC as a Therapeutic Approach for Cancer. ACS Chemical Biology, 2012, 7, 770-779.	3.4	36

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145	How does spacer length of imidazolium gemini surfactants control the fabrication of 2D-Langmuir films of silver-nanoparticles at the airâ€“water interface?. Journal of Colloid and Interface Science, 2014, 430, 85-92.	9.4	36
146	A delocalizable cationic headgroup together with an oligo-oxyethylene spacer in gemini cationic lipids improves their biological activity as vectors of plasmid DNA. Journal of Materials Chemistry B, 2015, 3, 1495-1506.	5.8	36
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