

Santanu Bhattacharya

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356
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68
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373
ext. papers

15,077
ext. citations

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avg, IF

7.04
L-index

#	Paper	IF	Citations
356	First report of phase selective gelation of oil from oil/water mixtures. Possible implications toward containing oil spills. <i>Chemical Communications</i> , 2001 , 185-186	5.8	297
355	Colorimetric probes based on anthraimidazolediones for selective sensing of fluoride and cyanide ion via intramolecular charge transfer. <i>Journal of Organic Chemistry</i> , 2011 , 76, 8215-22	4.2	279
354	Role of Spacer Chain Length in Dimeric Micellar Organization. Small Angle Neutron Scattering and Fluorescence Studies. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 11664-11671		244
353	Advances in gene delivery through molecular design of cationic lipids. <i>Chemical Communications</i> , 2009 , 4632-56	5.8	227
352	Soft-Nanocomposites of Nanoparticles and Nanocarbons with Supramolecular and Polymer Gels and Their Applications. <i>Chemical Reviews</i> , 2016 , 116, 11967-12028	68.1	205
351	Two-component hydrogels comprising fatty acids and amines: structure, properties, and application as a template for the synthesis of metal nanoparticles. <i>Chemistry - A European Journal</i> , 2008 , 14, 6534-45	4.8	194
350	Multifarious facets of sugar-derived molecular gels: molecular features, mechanisms of self-assembly and emerging applications. <i>Chemical Society Reviews</i> , 2015 , 44, 5596-637	58.5	193
349	Hierarchical Assemblies of Supramolecular Coordination Complexes. <i>Accounts of Chemical Research</i> , 2018 , 51, 2047-2063	24.3	188
348	Synthesis and antibacterial properties of novel hydrolyzable cationic amphiphiles. Incorporation of multiple head groups leads to impressive antibacterial activity. <i>Journal of Medicinal Chemistry</i> , 2005 , 48, 3823-31	8.3	173
347	Selective and efficient detection of nitro-aromatic explosives in multiple media including water, micelles, organogel, and solid support. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 8394-400	9.5	160
346	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. <i>Inorganic Chemistry</i> , 2008 , 47, 7083-93	5.1	156
345	Modulation of viscoelastic properties of physical gels by nanoparticle doping: influence of the nanoparticle capping agent. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 2934-7	16.4	152
344	Palmitoylation of bovine opsin and its cysteine mutants in COS cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 40-4	11.5	144
343	Interactions between cholesterol and lipids in bilayer membranes. Role of lipid headgroup and hydrocarbon chain-backbone linkage. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2000 , 1467, 39-53	3.8	134
342	Evidence of interlipidic ion-pairing in anion-induced DNA release from cationic amphiphile-DNA complexes. Mechanistic implications in transfection. <i>Biochemistry</i> , 1998 , 37, 7764-77	3.2	126
341	Electrochemical Stimuli-Driven Facile Metal-Free Hydrogen Evolution from Pyrene-Porphyrin-Based Crystalline Covalent Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23843-23851	9.5	121
340	Pronounced Hydrogel Formation by the Self-Assembled Aggregates of N-Alkyl Disaccharide Amphiphiles. <i>Chemistry of Materials</i> , 1999 , 11, 3504-3511	9.6	121

339	Structure and properties of two component hydrogels comprising lithocholic acid and organic amines. <i>Journal of Materials Chemistry</i> , 2009 , 19, 4325		112
338	Nature of linkage between the cationic headgroup and cholesteryl skeleton controls gene transfection efficiency. <i>FEBS Letters</i> , 2000 , 473, 341-4	3.8	107
337	Pancreatic Cancer-Derived Exosomes Cause Paraneoplastic Cell Dysfunction. <i>Clinical Cancer Research</i> , 2015 , 21, 1722-33	12.9	106
336	Molecular mechanism of physical gelation of hydrocarbons by fatty acid amides of natural amino acids. <i>Tetrahedron</i> , 2007 , 63, 7334-7348	2.4	106
335	Mono- and dinuclear manganese(III) complexes showing efficient catechol oxidase activity: syntheses, characterization and spectroscopic studies. <i>Dalton Transactions</i> , 2009 , 8755-64	4.3	105
334	Advances in the molecular design of potential anticancer agents via targeting of human telomeric DNA. <i>Chemical Communications</i> , 2014 , 50, 6422-38	5.8	104
333	Interaction of surfactants with DNA. Role of hydrophobicity and surface charge on intercalation and DNA melting. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1997 , 1323, 29-44	3.8	103
332	Medical implications of benzimidazole derivatives as drugs designed for targeting DNA and DNA associated processes. <i>Current Medicinal Chemistry</i> , 2008 , 15, 1762-77	4.3	103
331	Design, synthesis, and in vitro gene delivery efficacies of novel cholesterol-based gemini cationic lipids and their serum compatibility: a structure-activity investigation. <i>Journal of Medicinal Chemistry</i> , 2007 , 50, 2432-42	8.3	102
330	Novel Gemini Micelles from Dimeric Surfactants with Oxyethylene Spacer Chain. Small Angle Neutron Scattering and Fluorescence Studies. <i>Journal of Physical Chemistry B</i> , 1998 , 102, 6152-6160	3.4	100
329	Synthesis and gene transfection efficacies of PEI-cholesterol-based lipopolymers. <i>Bioconjugate Chemistry</i> , 2008 , 19, 1640-51	6.3	95
328	Efficacious anticancer drug delivery mediated by a pH-sensitive self-assembly of a conserved tripeptide derived from tyrosine kinase NGF receptor. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 1113-7	16.4	92
327	Why is less cationic lipid required to prepare lipoplexes from plasmid DNA than linear DNA in gene therapy?. <i>Journal of the American Chemical Society</i> , 2011 , 133, 18014-7	16.4	92
326	Aptamers as theranostic agents: modifications, serum stability and functionalisation. <i>Sensors</i> , 2013 , 13, 13624-37	3.8	91
325	Carbon nanotube reinforced supramolecular gels with electrically conducting, viscoelastic and near-infrared sensitive properties. <i>Journal of Materials Chemistry</i> , 2010 , 20, 6881		91
324	Remarkably facile Heck and Suzuki reactions in water using a simple cationic surfactant and ligand-free palladium catalysts. <i>Tetrahedron Letters</i> , 2005 , 46, 3557-3560	2	90
323	Efficient management of fruit pests by pheromone nanogels. <i>Scientific Reports</i> , 2013 , 3, 1294	4.9	88
322	Palladium catalyzed alkynylation of aryl halides (Sonogashira reaction) in water. <i>Tetrahedron Letters</i> , 2004 , 45, 8733-8736	2	88

321	Impressive Gelation in Organic Solvents by Synthetic, Low Molecular Mass, Self-Organizing Urethane Amides of L-Phenylalanine. <i>Chemistry of Materials</i> , 1999 , 11, 3121-3132	9.6	88
320	DNA binders in clinical trials and chemotherapy. <i>Bioorganic and Medicinal Chemistry</i> , 2014 , 22, 4506-21	3.4	86
319	Thermodynamics of micellization of multiheaded single-chain cationic surfactants. <i>Langmuir</i> , 2004 , 20, 7940-7	4	85
318	Self-assembled poly-catenanes from supramolecular toroidal building blocks. <i>Nature</i> , 2020 , 583, 400-405	50.4	85
317	Supramolecular Polymers Capable of Controlling Their Topology. <i>Accounts of Chemical Research</i> , 2019 , 52, 1325-1335	24.3	85
316	Ratiometric, reversible, and parts per billion level detection of multiple toxic transition metal ions using a single probe in micellar media. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 2438-45	9.5	84
315	Inflammation and cancer stem cells. <i>Cancer Letters</i> , 2014 , 345, 271-8	9.9	84
314	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. <i>Biomacromolecules</i> , 2012 , 13, 3926-37	6.9	82
313	Role of the central metal ion and ligand charge in the DNA binding and modification by metallosalen complexes. <i>Bioconjugate Chemistry</i> , 1997 , 8, 798-812	6.3	79
312	Soft functional materials induced by fibrillar networks of small molecular photochromic gelators. <i>Langmuir</i> , 2009 , 25, 8378-81	4	77
311	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. <i>Journal of Materials Chemistry</i> , 2008 , 18, 2593		77
310	Excellent chirality transcription in two-component photochromic organogels assembled through J-aggregation. <i>Chemical Communications</i> , 2013 , 49, 1425-7	5.8	75
309	A tetrameric sugar-based azobenzene that gels water at various pH values and in the presence of salts. <i>Journal of Organic Chemistry</i> , 2005 , 70, 6574-82	4.2	75
308	Design and synthesis of new benzimidazole-carbazole conjugates for the stabilization of human telomeric DNA, telomerase inhibition, and their selective action on cancer cells. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 6973-88	8.3	74
307	Effect of the nature of the spacer on gene transfer efficacies of novel thiocholesterol derived gemini lipids in different cell lines: a structure-activity investigation. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 2533-40	8.3	74
306	Rhodamine based dual probes for selective detection of mercury and fluoride ions in water using two mutually independent sensing pathways. <i>Analyst</i> , 2014 , 139, 2370-8	5	73
305	An experimental and computational analysis on the differential role of the positional isomers of symmetric bis-2-(pyridyl)-1H-benzimidazoles as DNA binding agents. <i>Journal of Organic Chemistry</i> , 2007 , 72, 1912-23	4.2	73
304	Molecular Modulation of Surfactant Aggregation in Water: Effect of the Incorporation of Multiple Headgroups on Micellar Properties. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 1228-1232	16.4	73

303	Vesicle Formation from Dimeric Ion-Paired Amphiphiles. Control over Vesicular Thermotropic and Ion-Transport Properties as a Function of Intra-amphiphilic Headgroup Separation <i>Langmuir</i> , 1999 , 15, 3400-3410	4	73
302	Alanine-Based Chiral Metallogels via Supramolecular Coordination Complex Platforms: Metallogelation Induced Chirality Transfer. <i>Journal of the American Chemical Society</i> , 2018 , 140, 3257-3263	16.4	72
301	Synthesis of new Cu(II)-chelating ligand amphiphiles and their esterolytic properties in cationic micelles. <i>Journal of Organic Chemistry</i> , 2003 , 68, 2741-7	4.2	72
300	Covalent organic framework based microspheres as an anode material for rechargeable sodium batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 16655-16663	13	71
299	Aggregation induced emission switching and electrical properties of chain length dependent gels derived from phenylenedivynylene bis-pyridinium salts in alcohol/water mixtures. <i>Journal of Materials Chemistry</i> , 2012 , 22, 25277		71
298	Small-Angle Neutron Scattering Studies of Different Mixed Micelles Composed of Dimeric and Monomeric Cationic Surfactants. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 5639-5645	3.4	71
297	A unique nickel system having versatile catalytic activity of biological significance. <i>Inorganic Chemistry</i> , 2010 , 49, 3121-9	5.1	70
296	Synthesis and gene transfer activities of novel serum compatible cholesterol-based gemini lipids possessing oxyethylene-type spacers. <i>Bioconjugate Chemistry</i> , 2007 , 18, 1537-46	6.3	70
295	Advantage of the ether linkage between the positive charge and the cholesteryl skeleton in cholesterol-based amphiphiles as vectors for gene delivery. <i>Bioconjugate Chemistry</i> , 2002 , 13, 378-84	6.3	70
294	Synthesis of a novel thiazole based dipeptide chemosensor for Cu(II) in water. <i>Tetrahedron Letters</i> , 2000 , 41, 10313-10317	2	70
293	Stabilization and structural alteration of the G-quadruplex DNA made from the human telomeric repeat mediated by Tröger's base based novel benzimidazole derivatives. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 7460-71	8.3	69
292	Metallomicelles as potent catalysts for the ester hydrolysis reactions in water. <i>Coordination Chemistry Reviews</i> , 2009 , 253, 2133-2149	23.2	69
291	Ester cleavage properties of synthetic hydroxybenzotriazoles in cationic monovalent and gemini surfactant micelles. <i>Langmuir</i> , 2005 , 21, 71-8	4	69
290	Surfactants Possessing Multiple Polar Heads. A Perspective on their Unique Aggregation Behavior and Applications. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 914-20	6.4	68
289	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011 , 79, 1050-6	4.4	68
288	Unusual salt-induced color modulation through aggregation-induced emission switching of a bis-cationic phenylenedivynylene-based hydrogelator. <i>Chemistry - A European Journal</i> , 2012 , 18, 16632-41	4.8	66
287	Vesicle and Tubular Microstructure Formation from Synthetic Sugar-Linked Amphiphiles. Evidence of Vesicle Formation from Single-Chain Amphiphiles Bearing a Disaccharide Headgroup <i>Langmuir</i> , 2000 , 16, 87-97	4	66
286	Pyridylenevinylene based Cu(2+)-specific, injectable metallo(hydro)gel: thixotropy and nanoscale metal-organic particles. <i>Chemical Communications</i> , 2014 , 50, 11690-3	5.8	65

285	Choice of the end functional groups in tri(p-phenylenevinylene) derivatives controls its physical gelation abilities. <i>Langmuir</i> , 2009 , 25, 8567-78	4	64
284	Synthesis and Vesicle Formation from Dimeric Pseudoglycerol Lipids with (CH ₂) _m Spacers: Pronounced m-Value Dependence of Thermal Properties, Vesicle Fusion, and Cholesterol Complexation. <i>Chemistry - A European Journal</i> , 1999 , 5, 2335-2347	4.8	64
283	A cationic cholesterol based nanocarrier for the delivery of p53-EGFP-C3 plasmid to cancer cells. <i>Biomaterials</i> , 2014 , 35, 1334-46	15.6	63
282	A chemodosimetric probe based on a conjugated oxidized bis-indolyl system for selective naked-eye sensing of cyanide ions in water. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 2805-12	4.5	63
281	The effects of cholesterol inclusion on the vesicular membranes of cationic lipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1996 , 1283, 21-30	3.8	63
280	Hydrogen-bond-directed self-assembly of D-(+)-dibenzoyltartaric acid and 4-aminopyridine: optical nonlinearities and stoichiometry-dependent novel structural features. <i>Chemistry of Materials</i> , 1994 , 6, 531-537	9.6	62
279	Interaction of G-quadruplexes with nonintercalating duplex-DNA minor groove binding ligands. <i>Bioconjugate Chemistry</i> , 2011 , 22, 2355-68	6.3	61
278	Dimeric 1,3-phenylene-bis(piperazinyl benzimidazole)s: synthesis and structure-activity investigations on their binding with human telomeric G-quadruplex DNA and telomerase inhibition properties. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 2981-93	8.3	60
277	Synthesis of Some Copper(II)-Chelating (Dialkylamino)pyridine Amphiphiles and Evaluation of Their Esterolytic Capacities in Cationic Micellar Media. <i>Journal of Organic Chemistry</i> , 1998 , 63, 27-35	4.2	60
276	DNA cleavage by intercalatable cobalt(II)bis(picolylamine) complexes activated by visible light. <i>Chemical Communications</i> , 1996 , 1515-1516	5.8	59
275	Physical gelation of binary mixtures of hydrocarbons mediated by n-lauroyl-L-alanine and characterization of their thermal and mechanical properties. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 4918-27	3.4	58
274	Evidence of enhanced reactivity of DAAP nucleophiles toward dephosphorylation and deacylation reactions in cationic gemini micellar media. <i>Journal of Organic Chemistry</i> , 2004 , 69, 559-62	4.2	58
273	Orthogonal self-assembly of an organoplatinum(II) metallacycle and cucurbit[8]uril that delivers curcumin to cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 8087-8092	11.5	56
272	Synthesis and Vesicle Formation from Hybrid Bolophile/Amphiphile Ion-Pairs. Evidence of Membrane Property Modulation by Molecular Design. <i>Journal of Organic Chemistry</i> , 1998 , 63, 7640-7651 ^{4.2}		56
271	Ambient oxygen activating water soluble cobalt(II)alen complex for DNA cleavage. <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 2489-2490		56
270	Remarkable role of positional isomers in the design of sensors for the ratiometric detection of copper and mercury ions in water. <i>RSC Advances</i> , 2014 , 4, 4230-4238	3.7	55
269	Graphene as a nanocarrier for tamoxifen induces apoptosis in transformed cancer cell lines of different origins. <i>Small</i> , 2012 , 8, 131-43	11	54
268	Synthesis and vesicle formation from novel pseudoglycerol dimeric lipids. Evidence of formation of widely different membrane organizations with exceptional thermotropic properties. <i>Chemical Communications</i> , 1997 , 2287-2288	5.8	54

267	Modulation of Viscoelastic Properties of Physical Gels by Nanoparticle Doping: Influence of the Nanoparticle Capping Agent. <i>Angewandte Chemie</i> , 2006 , 118, 3000-3003	3.6	52
266	Small-angle neutron scattering study of micellar structures of dimeric surfactants. <i>Physical Review E</i> , 1998 , 57, 776-783	2.4	52
265	Synthesis, Thermotropic Behavior, and Permeability Properties of Vesicular Membranes Composed of Cationic Mixed-Chain Surfactants. <i>Langmuir</i> , 1995 , 11, 4748-4757	4	52
264	Composites of graphene and other nanocarbons with organogelators assembled through supramolecular interactions. <i>Chemistry - A European Journal</i> , 2012 , 18, 2890-901	4.8	51
263	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. <i>Bioconjugate Chemistry</i> , 2010 , 21, 1148-59	6.3	51
262	Self-Assembly of Metallacages into Multidimensional Suprastructures with Tunable Emissions. <i>Journal of the American Chemical Society</i> , 2018 , 140, 12819-12828	16.4	51
261	Phthalate mediated hydrogelation of a pyrene based system: a novel scaffold for shape-persistent, self-healing luminescent soft material. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 17889-17898	13	50
260	Exceptional adhesive and gelling properties of fibrous nanoscopic tapes of self-assembled bipolar urethane amides of L-phenylalanine. <i>Chemical Communications</i> , 1996 , 2101	5.8	50
259	Metal-ion-dependent oxidative DNA cleavage by transition metal complexes of a new water-soluble salen derivative. <i>Journal of Inorganic Biochemistry</i> , 1996 , 63, 265-72	4.2	50
258	Evidence of aggregation induced emission enhancement and keto-enol-tautomerism in a gallic acid derived salicylideneaniline gel. <i>Chemical Communications</i> , 2012 , 48, 877-9	5.8	49
257	Effect of the headgroup variation on the gene transfer properties of cholesterol based cationic lipids possessing ether linkage. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008 , 1778, 1222-36	3.8	48
256	Synthesis and Esterolytic Chemistry of Some (Dialkylamino)pyridine-Functionalized Micellar Aggregates. Evidence of Catalytic Turnover. <i>Langmuir</i> , 1995 , 11, 4653-4660	4	48
255	An efficient probe for rapid detection of cyanide in water at parts per billion levels and naked-eye detection of endogenous cyanide. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 830-7	4.5	47
254	Synthesis and evaluation of a novel class of G-quadruplex-stabilizing small molecules based on the 1,3-phenylene-bis(piperazinyl benzimidazole) system. <i>Biochemistry</i> , 2009 , 48, 10693-704	3.2	47
253	Gene transfection efficacies of novel cationic gemini lipids possessing aromatic backbone and oxyethylene spacers. <i>Biomacromolecules</i> , 2008 , 9, 991-9	6.9	47
252	Role of Incorporation of Multiple Headgroups in Cationic Surfactants in Determining Micellar Properties. Small-Angle-Neutron-Scattering and Fluorescence Studies. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 12803-12808	3.4	47
251	Effects of a delocalizable cation on the headgroup of gemini lipids on the lipoplex-type nanoaggregates directly formed from plasmid DNA. <i>Biomacromolecules</i> , 2013 , 14, 3951-63	6.9	44
250	GAIP interacting protein C-terminus regulates autophagy and exosome biogenesis of pancreatic cancer through metabolic pathways. <i>PLoS ONE</i> , 2014 , 9, e114409	3.7	44

249	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. <i>Journal of Molecular Catalysis A</i> , 2009 , 310, 34-41		44
248	Vesicle formation from dimeric surfactants through ion-pairing. Adjustment of polar headgroup separation leads to control over vesicular thermotropic properties. <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 651		44
247	First report of charge-transfer induced heat-set hydrogel. Structural insights and remarkable properties. <i>Nanoscale</i> , 2016 , 8, 11224-33	7.7	44
246	DNA conjugated SWCNTs enter endothelial cells via Rac1 mediated macropinocytosis. <i>Nano Letters</i> , 2012 , 12, 1826-30	11.5	42
245	Novel nanocomposites made of boron nitride nanotubes and a physical gel. <i>Langmuir</i> , 2010 , 26, 12230-64		42
244	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. <i>Chemistry - A European Journal</i> , 2009 , 15, 9169-82	4.8	42
243	Efficacious Electrochemical Oxygen Evolution from a Novel Co(II) Porphyrin/Pyrene-Based Conjugated Microporous Polymer. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 1520-1528	9.5	42
242	Synthesis and Characterization of Novel Cationic Lipid and Cholesterol-Coated Gold Nanoparticles and Their Interactions with Dipalmitoylphosphatidylcholine Membranes. <i>Langmuir</i> , 2003 , 19, 4439-4447	4	41
241	First report of Zn ²⁺ sensing exclusively at mesoscopic interfaces. <i>Chemical Communications</i> , 2003 , 1158-9.8	9.8	41
240	Nanomolar Level Detection of Uric Acid in Blood Serum and Pest-Infested Grain Samples by an Amphiphilic Probe. <i>Analytical Chemistry</i> , 2017 , 89, 10376-10383	7.8	40
239	Evidence for the Formation of Acylated or Phosphorylated Monoperoxyphthalates in the Catalytic Esterolytic Reactions in Cationic Surfactant Aggregates. <i>Journal of Organic Chemistry</i> , 1997 , 62, 2198-2204	4.2	39
238	Formation of gel and fibrous microstructures by 1-alkyne amphiphiles bearing l-serine headgroup in organic solvents. <i>Chemistry and Physics of Lipids</i> , 1995 , 77, 13-23	3.7	39
237	Computational study on hydroxybenzotriazoles as reagents for ester hydrolysis. <i>Journal of Organic Chemistry</i> , 2004 , 69, 8634-42	4.2	38
236	Cationic gemini lipids containing polyoxyethylene spacers as improved transfecting agents of plasmid DNA in cancer cells. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 4640-4652	7.3	37
235	Groove binding ligands for the interaction with parallel-stranded ps-duplex DNA and triplex DNA. <i>Bioconjugate Chemistry</i> , 2010 , 21, 1389-403	6.3	37
234	Synthesis, DNA binding, and Leishmania topoisomerase inhibition activities of a novel series of anthra[1,2-d]imidazole-6,11-dione derivatives. <i>Journal of Medicinal Chemistry</i> , 2007 , 50, 2536-40	8.3	37
233	Effect of the hydrocarbon chain and polymethylene spacer lengths on gene transfection efficacies of gemini lipids based on aromatic backbone. <i>Bioconjugate Chemistry</i> , 2007 , 18, 2144-58	6.3	37
232	Aggregation Properties of Novel Cationic Surfactants with Multiple Pyridinium Headgroups. Small-Angle Neutron Scattering and Conductivity Studies. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 11406-11411	3.4	37

231	Small-angle neutron-scattering studies of mixed micellar structures made of dimeric surfactants having imidazolium and ammonium headgroups. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 13239-47	3.4	36
230	Enhanced G-Quadruplex DNA Stabilization and Telomerase Inhibition by Novel Fluorescein Derived Salen and Salphen Based Ni(II) and Pd(II) Complexes. <i>Bioconjugate Chemistry</i> , 2017 , 28, 341-352	6.3	35
229	A conjugated microporous polymer based visual sensing platform for aminoglycoside antibiotics in water. <i>Chemical Communications</i> , 2018 , 54, 7495-7498	5.8	35
228	Transcription regulation of CDKN1A (p21/CIP1/WAF1) by TRF2 is epigenetically controlled through the REST repressor complex. <i>Scientific Reports</i> , 2017 , 7, 11541	4.9	35
227	Endogenous vascular endothelial growth factor-A (VEGF-A) maintains endothelial cell homeostasis by regulating VEGF receptor-2 transcription. <i>Journal of Biological Chemistry</i> , 2012 , 287, 3029-41	5.4	35
226	Coarse-grained molecular dynamics simulation of the aggregation properties of multiheaded cationic surfactants in water. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 13545-50	3.4	35
225	Cationic oxyethylene lipids. Synthesis, aggregation, and transfection properties. <i>Bioconjugate Chemistry</i> , 2004 , 15, 508-19	6.3	35
224	A delocalizable cationic headgroup together with an oligo-oxyethylene spacer in gemini cationic lipids improves their biological activity as vectors of plasmid DNA. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 1495-1506	7.3	33
223	Binary salts of substituted pyridines and L-tartaric acid as nonlinear optical organic materials: crystal structure of L-tartaric acid \cdot dimethylaminopyridine (1:1) dihydrate salt. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1993 , 2419-2422		33
222	Multifaceted peptide assisted one-pot synthesis of gold nanoparticles for plectin-1 targeted gemcitabine delivery in pancreatic cancer. <i>Nanoscale</i> , 2017 , 9, 15622-15634	7.7	32
221	How does spacer length of imidazolium gemini surfactants control the fabrication of 2D-Langmuir films of silver-nanoparticles at the air-water interface?. <i>Journal of Colloid and Interface Science</i> , 2014 , 430, 85-92	9.3	32
220	Chemically modified peptides targeting the PDZ domain of GIPC as a therapeutic approach for cancer. <i>ACS Chemical Biology</i> , 2012 , 7, 770-9	4.9	32
219	Understanding membranes through the molecular design of lipids. <i>Langmuir</i> , 2010 , 26, 4642-54	4	32
218	Microcalorimetric and conductivity studies with micelles prepared from multi-headed pyridinium surfactants. <i>Langmuir</i> , 2005 , 21, 5747-51	4	32
217	A new ratiometric fluorescence probe as strong sensor of surface charge of lipid vesicles and micelles. <i>FEBS Letters</i> , 2003 , 541, 132-6	3.8	32
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