

# Santanu Bhattacharya

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

356  
papers

13,821  
citations

68  
h-index

94  
g-index

373  
ext. papers

15,077  
ext. citations

6  
avg, IF

7.04  
L-index

#	Paper	IF	Citations
356	Selective pathological and intracellular detection of human serum albumin by photophysical and electrochemical techniques using a FRET-based molecular probe.. <i>Biosensors and Bioelectronics</i> , <b>2022</b> , 203, 114007	11.8	0
355	A biocompatible hydrogel as a template for oxidative decomposition reactions: a chemodosimetric analysis and imaging of hypochlorite.. <i>Chemical Science</i> , <b>2022</b> , 13, 2286-2295	9.4	1
354	Dynamic alteration of poroelastic attributes as determinant membrane nanorheology for endocytosis of organ specific targeted gold nanoparticles.. <i>Journal of Nanobiotechnology</i> , <b>2022</b> , 20, 74	9.4	1
353	Topological Supramolecular Polymer. <i>Nanostructure Science and Technology</i> , <b>2022</b> , 47-70	0.9	
352	Influence of surface moieties on nanomechanical properties of gold nanoparticles using atomic force microscopy. <i>Applied Surface Science</i> , <b>2022</b> , 591, 153175	6.7	0
351	Molecular design of amphiphiles for Microenvironment-Sensitive kinetically controlled gelation and their utility in probing alcohol contents.. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 615, 335-345	9.3	0
350	Liposomal nanoparticles based on steroids and isoprenoids for nonviral gene delivery. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2021</b> , e1759	9.2	
349	Novel Tocopherol-ferrocene conjugates for the specific delivery of transgenes in liver cancer cells under high serum conditions. <i>Biomaterials Science</i> , <b>2021</b> , 9, 7636-7647	7.4	2
348	Imidazole-Functionalized Y-Shaped Push-Pull Dye for Nerve Agent Sensing as well as a Catalyst for Their Detoxification. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 14663-14671	4.2	3
347	Nanomechanical Insight of Pancreatic Cancer Cell Membrane during Receptor Mediated Endocytosis of Targeted Gold Nanoparticles.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 984-994	4.1	2
346	Inkjet-Printed Graphene Sensors for the Bedside Detection of Tear Film pH. <i>Translational Vision Science and Technology</i> , <b>2021</b> , 10, 10	3.3	
345	Enriched pharmacokinetic behavior and antitumor efficacy of thymoquinone by liposomal delivery. <i>Nanomedicine</i> , <b>2021</b> , 16, 641-656	5.6	1
344	FRET-based Radiometric Molecular switch for multiple ions with efficacy towards real-time sampling and logic gate applications. <i>Tetrahedron</i> , <b>2021</b> , 85, 132007	2.4	4
343	Cancer Stem Cell-Targeted Gene Delivery Mediated by Aptamer-Decorated pH-Sensitive Nanoliposomes. <i>ACS Biomaterials Science and Engineering</i> , <b>2021</b> , 7, 2508-2519	5.5	3
342	Theoretical Insight into the Library Screening Approach for Binding of Intermolecular G-Quadruplex RNA and Small Molecules through Docking and Molecular Dynamics Simulation Studies. <i>Journal of Physical Chemistry B</i> , <b>2021</b> , 125, 5489-5501	3.4	5
341	Switchable Luminescent Probe for Trace-Level Detection of the Spodoptera litura Nuclear Polyhedrosis Virus via a Color-Changing Response. <i>ACS Agricultural Science and Technology</i> , <b>2021</b> , 1, 322-328		3
340	Micro-structural investigations on oppositely charged mixed surfactant gels with potential dermal applications. <i>Scientific Reports</i> , <b>2021</b> , 11, 15527	4.9	2

339	Recent Update on Targeting G-Quadruplexes by Small Molecules for Anticancer Therapeutics. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 42-70	8.3	21
338	Effect of Azobenzene Regioisomerism on Intrinsically Curved Supramolecular Polymers. <i>Asian Journal of Organic Chemistry</i> , <b>2021</b> , 10, 257-261	3	4
337	Hydrogen Bonding-Induced Unique Charge-Transfer Emission from Multichromophoric Polypyridyl Ligands: Ratiometric Probing of Methanol Impurity in Commercial Biofuels. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 17078-17084	8.3	2
336	Effect of an Aromatic Solvent on Hydrogen-Bond-Directed Supramolecular Polymerization Leading to Distinct Topologies. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 8997-9004	4.8	13
335	Transparent, flexible MAPbI <sub>3</sub> perovskite microwire arrays passivated with ultra-hydrophobic supramolecular self-assembly for stable and high-performance photodetectors. <i>Nanoscale</i> , <b>2020</b> , 12, 11986-11996	7.7	9
334	Fluorescent Supramolecular Polymorphism Driven by Distinct Hydrogen Bonding Lattice. <i>Chemistry Letters</i> , <b>2020</b> , 49, 1009-1012	1.7	4
333	Controlled drug release from polyelectrolyte-drug conjugate nanoparticles. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 2887-2894	7.3	4
332	Hydrogen bond-directed supramolecular polymorphism leading to soft and hard molecular ordering. <i>Chemical Communications</i> , <b>2020</b> , 56, 4280-4283	5.8	18
331	A thermo-responsive supramolecular hydrogel that senses cholera toxin via color-changing response. <i>Chemical Communications</i> , <b>2020</b> , 56, 7789-7792	5.8	7
330	Switchable Optical Probes for Simultaneous Targeting of Multiple Anions. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 1759-1779	4.5	12
329	Specific stabilization of promoter G-Quadruplex DNA by 2,6-disubstituted amidoanthracene-9,10-dione based dimeric distamycin analogues and their selective cancer cell cytotoxicity. <i>European Journal of Medicinal Chemistry</i> , <b>2020</b> , 195, 112202	6.8	18
328	Antibody-Conjugated Vitamin E-Derived Liposomes for Targeted Gene Transfer.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 8375-8385	4.1	3
327	Addressing Multiple Ions Using Single Optical Probe: Multi-Color Response via Mutually Independent Sensing Pathways. <i>ChemistrySelect</i> , <b>2020</b> , 5, 452-462	1.8	6
326	Natural tripeptide capped pH-sensitive gold nanoparticles for efficacious doxorubicin delivery both in vitro and in vivo. <i>Nanoscale</i> , <b>2020</b> , 12, 1067-1074	7.7	28
325	Self-assembled poly-catenanes from supramolecular toroidal building blocks. <i>Nature</i> , <b>2020</b> , 583, 400-405	50.4	85
324	Myosin 10 Regulates Invasion, Mitosis, and Metabolic Signaling in Glioblastoma. <i>IScience</i> , <b>2020</b> , 23, 101802	21	4
323	Encapsulation of CsPbBr <sub>3</sub> Nanocrystals by a Tripodal Amine Markedly Improves Photoluminescence and Stability Concomitantly via Anion Defect Elimination. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 7159-7171	9.6	18
322	A two-component charge transfer hydrogel with excellent sensitivity towards the microenvironment: a responsive platform for biogenic thiols. <i>Soft Matter</i> , <b>2020</b> , 16, 9882-9889	3.6	10

321	Breaking the Barrier of Polynucleotide Size, Type, and Topology in Smad2 Antisense Therapy Using a Cationic Cholesterol Dimer with Flexible Spacer.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 7712-7721	4.1	1
320	A fluorescent supramolecular host for urea. <i>Materials Today: Proceedings</i> , <b>2020</b> , 26, 11-16	1.4	1
319	First example of engineered $\beta$ -cyclodextrinylated MEMS devices for volatile pheromone sensing of olive fruit pests. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 173, 112728	11.8	12
318	New Water-Soluble Oxyamino Chitosans as Biocompatible Vectors for Efficacious Anticancer Therapy via Co-Delivery of Gene and Drug. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 37442-37468	8.5	24
317	Nanomechanical insights: Amyloid beta oligomer-induced senescent brain endothelial cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2019</b> , 1861, 183061	3.8	5
316	Simultaneous sensing of ferritin and apoferritin proteins using an iron-responsive dye and evaluation of physiological parameters associated with serum iron estimation. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 986-993	7.3	10
315	Perfluoroarene induces a pentapeptidic hydrotrope into a pH-tolerant hydrogel allowing naked eye sensing of Ca ions. <i>Nanoscale</i> , <b>2019</b> , 11, 2223-2230	7.7	8
314	Multimodal Ion Sensing by Structurally Simple Pyridine-End Oligo p-Phenylenevinylens for Sustainable Detection of Toxic Industrial Waste. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> ,	8.3	7
313	Engaging Dynamic Surfactant Assemblies in Improving Metal Ion Sensitivity of a 1,4,7-Triazacyclononane-Based Receptor: Differential Optical Response for Cysteine and Histidine.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 2365-2373	4.1	13
312	On-Field Detection of Helicoverpaarmigera Nuclear Polyhedrosis Virus Using Luminescent Amphiphilic Probe: Screening of Agricultural Crops and Commercial Formulations. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 7667-7675	8.3	5
311	Tumor Chemosensitization through Oncogene Knockdown Mediated by Unique $\beta$ -Tocopherylated Cationic Geminis. <i>Biomacromolecules</i> , <b>2019</b> , 20, 1555-1566	6.9	8
310	AFM study: Cell cycle and probe geometry influences nanomechanical characterization of Panc1 cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2019</b> , 1863, 802-812	4	12
309	Highly Responsive Fluorescent Assemblies Allow for Unique, Multiparametric Sensing of the Phospholipid Membrane Environment. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 1507-1514	4.8	5
308	DNA-SWCNT Biosensors Allow Real-Time Monitoring of Therapeutic Responses in Pancreatic Ductal Adenocarcinoma. <i>Cancer Research</i> , <b>2019</b> , 79, 4515-4523	10.1	6
307	Topological Impact on the Kinetic Stability of Supramolecular Polymers. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 13196-13202	16.4	28
306	Gemini-Based Lipoplexes Complement the Mitochondrial Phenotype in MFN1-Knockout Mouse Embryonic Fibroblasts. <i>Molecular Pharmaceutics</i> , <b>2019</b> , 16, 4787-4796	5.6	1
305	Supramolecular Polymers Capable of Controlling Their Topology. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 1325-1335	24.3	85
304	Palladium-induced transformation of nematic liquid crystals to robust metallogel comprising self-assembled nanowires. <i>Chemical Communications</i> , <b>2019</b> , 55, 12651-12654	5.8	1

303	VEGF receptor-1 modulates amyloid $\beta$ -42 oligomer-induced senescence in brain endothelial cells. <i>FASEB Journal</i> , <b>2019</b> , 33, 4626-4637	0.9	15
302	Simultaneous Detection of Cu and Hg via Two Mutually Independent Sensing Pathways of Biimidazole Push-Pull Dye. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 1787-1796	4.2	16
301	Metal Complex as an Optical Sensing Platform for Rapid Multimodal Recognition of a Pathogenic Biomarker in Real-Life Samples. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 569-577	8.3	15
300	Modulation of Excited-State Proton-Transfer Dynamics inside the Nanocavity of Microheterogeneous Systems: Microenvironment-Sensitive F <sub>30</sub> ster Energy Transfer to Riboflavin. <i>ChemPhysChem</i> , <b>2019</b> , 20, 881-889	3.2	4
299	Efficacious Electrochemical Oxygen Evolution from a Novel Co(II) Porphyrin/Pyrene-Based Conjugated Microporous Polymer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 1520-1528	9.5	42
298	Colorimetric indicators for specific recognition of Cu <sup>2+</sup> and Hg <sup>2+</sup> in physiological media: Effect of variations of signaling unit on optical response. <i>Inorganica Chimica Acta</i> , <b>2019</b> , 487, 50-57	2.7	13
297	Structural Characterization of i-Motif Structure in the Human Acetyl-CoA Carboxylase 1 Gene Promoters and Their Role in the Regulation of Gene Expression. <i>ChemBioChem</i> , <b>2018</b> , 19, 1078-1087	3.8	10
296	Transfection efficiencies of $\beta$ -tocopherylated cationic gemini lipids with hydroxyethyl bearing headgroups under high serum conditions. <i>Organic and Biomolecular Chemistry</i> , <b>2018</b> , 16, 1983-1993	3.9	17
295	Trace level Al detection in aqueous media utilizing luminescent ensembles comprising pyrene laced dynamic surfactant assembly. <i>Dalton Transactions</i> , <b>2018</b> , 47, 2352-2359	4.3	25
294	Motion-Induced Changes in Emission as an Effective Strategy for the Ratiometric Probing of Human Serum Albumin and Trypsin in Biological Fluids. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 664-671	4.5	20
293	Targeting G-quadruplex DNA structures in the telomere and oncogene promoter regions by benzimidazole-carbazole ligands. <i>European Journal of Medicinal Chemistry</i> , <b>2018</b> , 148, 178-194	6.8	30
292	Alanine-Based Chiral Metallogels via Supramolecular Coordination Complex Platforms: Metallogelation Induced Chirality Transfer. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 3257-3263	16.4	72
291	Reduction Responsive Nanovesicles Derived from Novel $\beta$ -Tocopheryl-Lipoic Acid Conjugates for Efficacious Drug Delivery to Sensitive and Drug Resistant Cancer Cells. <i>Bioconjugate Chemistry</i> , <b>2018</b> , 29, 255-266	6.3	18
290	A unique self-assembly-driven probe for sensing a lipid bilayer: ratiometric probing of vesicle to micelle transition. <i>Chemical Communications</i> , <b>2018</b> , 54, 5122-5125	5.8	17
289	Visual detection of a nerve agent simulant using chemically modified paper strips and dye-assembled inorganic nanocomposite. <i>Analyst, The</i> , <b>2018</b> , 143, 528-535	5	22
288	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> , <b>2018</b> , 115, 8087-8092	11.5	56
287	Covalent organic framework based microspheres as an anode material for rechargeable sodium batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 16655-16663	13	71
286	Microenvironment Sensitive Charge-Transfer Dye for Tandem Sensing of Multiple Analytes at Mesoscopic Interfaces. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 12807-12816	8.3	16

285	Hierarchical Assemblies of Supramolecular Coordination Complexes. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 2047-2063	24.3	188
284	A conjugated microporous polymer based visual sensing platform for aminoglycoside antibiotics in water. <i>Chemical Communications</i> , <b>2018</b> , 54, 7495-7498	5.8	35
283	Tunable Emission from Fluorescent Organic Nanoparticles in Water: Insight into the Nature of Self-Assembly and Photoswitching. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 2643-2652	4.8	16
282	A Versatile Probe for Caffeine Detection in Real-Life Samples via Excitation-Triggered Alteration in the Sensing Behavior of Fluorescent Organic Nanoaggregates. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 821-829	7.8	20
281	Synthesis of High Molecular Weight 1,4-Polynaphthalene for Solution-Processed True Color Blue Light Emitting Diode. <i>Macromolecules</i> , <b>2018</b> , 51, 8324-8329	5.5	5
280	Hierarchical Self-Assembly of a Water-Soluble Organoplatinum(II) Metallacycle into Well-Defined Nanostructures. <i>Organic Letters</i> , <b>2018</b> , 20, 7020-7023	6.2	9
279	Self-Assembly of Metallacages into Multidimensional Suprastructures with Tunable Emissions. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 12819-12828	16.4	51
278	Smart optical probe for equipment-free detection of oxalate in biological fluids and plant-derived food items. <i>Tetrahedron</i> , <b>2018</b> , 74, 4457-4465	2.4	12
277	Heparin triggered dose dependent multi-color emission switching in water: a convenient protocol for heparinase I estimation in real-life biological fluids. <i>Chemical Communications</i> , <b>2017</b> , 53, 1486-1489	5.8	23
276	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> , <b>2017</b> , 28, 341-352	6.3	35
275	Electrochemical probing of hydrogelation induced by the self-assembly of a donor-acceptor complex comprising pyranine and viologen. <i>Chemical Communications</i> , <b>2017</b> , 53, 2371-2374	5.8	27
274	Dual-Mode Optical Sensing of Histamine at Nanomolar Concentrations in Complex Biological Fluids and Living Cells. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 11891-11897	4.8	28
273	Mimicking multivalent protein-carbohydrate interactions for monitoring the glucosamine level in biological fluids and pharmaceutical tablets. <i>Chemical Communications</i> , <b>2017</b> , 53, 5392-5395	5.8	21
272	A plant-derived dehydrorotenoid: a new inhibitor of hepatitis C virus entry. <i>FEBS Letters</i> , <b>2017</b> , 591, 1305-1317	5.8	10
271	Concentration Dependent Self-Assembly of Trk-NGF Receptor Derived Tripeptide: New Insights from Experiment and Computer Simulations. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 815-824	3.4	20
270	Multifaceted peptide assisted one-pot synthesis of gold nanoparticles for plectin-1 targeted gemcitabine delivery in pancreatic cancer. <i>Nanoscale</i> , <b>2017</b> , 9, 15622-15634	7.7	32
269	Novel ruthenium azo-quinoline complexes with enhanced photonuclease activity in human cancer cells. <i>European Journal of Medicinal Chemistry</i> , <b>2017</b> , 139, 1016-1029	6.8	22
268	Transcription regulation of CDKN1A (p21/CIP1/WAF1) by TRF2 is epigenetically controlled through the REST repressor complex. <i>Scientific Reports</i> , <b>2017</b> , 7, 11541	4.9	35

267	Fluorescent Organic Nanoaggregates for Selective Recognition of d-(-)-Ribose in Biological Fluids and Oral Supplements. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 16547-16554	4.8	18
266	Knockdown of Broad-Complex Gene Expression of <i>Bombyx mori</i> by Oligopyrrole Carboxamides Enhances Silk Production. <i>Scientific Reports</i> , <b>2017</b> , 7, 805	4.9	3
265	Nanomolar Level Detection of Uric Acid in Blood Serum and Pest-Infested Grain Samples by an Amphiphilic Probe. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 10376-10383	7.8	40
264	Electrochemical Stimuli-Driven Facile Metal-Free Hydrogen Evolution from Pyrene-Porphyrin-Based Crystalline Covalent Organic Framework. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 23843-23851	9.5	121
263	New pH-responsive gemini lipid derived co-liposomes for efficacious doxorubicin delivery to drug resistant cancer cells. <i>Chemical Communications</i> , <b>2017</b> , 53, 8184-8187	5.8	17
262	Identification of a flavonoid isolated from plum ( <i>Prunus domestica</i> ) as a potent inhibitor of Hepatitis C virus entry. <i>Scientific Reports</i> , <b>2017</b> , 7, 3965	4.9	18
261	Utilization of Red-Light-Emitting CdTe Nanoparticles for the Trace-Level Detection of Harmful Herbicides in Adulterated Food and Agricultural Crops. <i>Chemistry - an Asian Journal</i> , <b>2017</b> , 12, 76-85	4.5	17
260	Soft-Nanocomposites of Nanoparticles and Nanocarbons with Supramolecular and Polymer Gels and Their Applications. <i>Chemical Reviews</i> , <b>2016</b> , 116, 11967-12028	68.1	205
259	Efficient Cellular Knockdown Mediated by siRNA Nanovectors of Gemini Cationic Lipids Having Delocalizable Headgroups and Oligo-Oxyethylene Spacers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 22113-26	9.5	28
258	Physical Chemical and Biomolecular Methods for the Optimization of Cationic Lipid-Based Lipoplexes In Vitro for the Gene Therapy Applications. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1445, 3-17	1.4	1
257	Gelation of Novel Pyrene-Cored Chiral Dendrimers: Dendritic Effect in Gelation and Shear Thinning Behavior. <i>Macromolecular Symposia</i> , <b>2016</b> , 369, 14-18	0.8	5
256	Carbon-Nanotube-Mediated Electrochemical Transition in a Redox-Active Supramolecular Hydrogel Derived from Viologen and an L-Alanine-Based Amphiphile. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 7524-32	4.8	10
255	Co-liposomes having anisamide tagged lipid and cholesteryl tryptophan trigger enhanced gene transfection in sigma receptor positive cells. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 142, 130-140	6	13
254	Remarkable Role of C-H...N Halogen Bonding in Thixotropic 'Halo'gel Formation. <i>Langmuir</i> , <b>2016</b> , 32, 4270-7	4.7	23
253	A Glimpse of Our Journey into the Design of Optical Probes in Self-assembled Surfactant Aggregates. <i>Chemical Record</i> , <b>2016</b> , 16, 1934-49	6.6	30
252	A novel bio-engineering approach to generate an eminent surface-functionalized template for selective detection of female sex pheromone of <i>Helicoverpa armigera</i> . <i>Scientific Reports</i> , <b>2016</b> , 6, 37355	4.9	16
251	New Fe(iii) and Co(ii) salen complexes with pendant distamycins: selective targeting of cancer cells by DNA damage and mitochondrial pathways. <i>Dalton Transactions</i> , <b>2016</b> , 45, 9345-53	4.3	27
250	First report of charge-transfer induced heat-set hydrogel. Structural insights and remarkable properties. <i>Nanoscale</i> , <b>2016</b> , 8, 11224-33	7.7	44

249	Discovery and Structural Characterization of G-quadruplex DNA in Human Acetyl-CoA Carboxylase Gene Promoters: Its Role in Transcriptional Regulation and as a Therapeutic Target for Human Disease. <i>Journal of Medicinal Chemistry</i> , <b>2016</b> , 59, 5035-50	8.3	10
248	Novel Oligopyrrole Carboxamide based Nickel(II) and Palladium(II) Salens, Their Targeting of Human G-Quadruplex DNA, and Selective Cancer Cell Toxicity. <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 2542-54	4.5	22
247	Role of synergistic $\pi$ -stacking and X-H $\cdots$ Cl (X = C, N, O) H-bonding interactions in gelation and gel phase crystallization. <i>Chemical Communications</i> , <b>2015</b> , 51, 7019-22	5.8	27
246	Imidazolium based ionic liquid type surfactant improves activity and thermal stability of lipase of <i>Rhizopus oryzae</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2015</b> , 119, 12-17		22
245	Ag(+)-induced reverse vesicle to helical fiber transformation in a self-assembly by adjusting the keto-enol equilibrium of a chiral salicylideneaniline. <i>Chemical Communications</i> , <b>2015</b> , 51, 13929-32	5.8	10
244	Differential response of cholesterol based pyrimidine systems with oxyethylene type spacers to gelation and mesogen formation in the presence of alkali metal ions. <i>Soft Matter</i> , <b>2015</b> , 11, 1945-53	3.6	20
243	Cardiomyopathy and Worsened Ischemic Heart Failure in SM22-Cre-Mediated Neuropilin-1 Null Mice: Dysregulation of PGC1 $\beta$ and Mitochondrial Homeostasis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2015</b> , 35, 1401-12	9.4	23
242	New dimeric carbazole-benzimidazole mixed ligands for the stabilization of human telomeric G-quadruplex DNA and as telomerase inhibitors. A remarkable influence of the spacer. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 8335-48	3.9	28
241	Efficacious redox-responsive gene delivery in serum by ferrocenylated monomeric and dimeric cationic cholesterol. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 4310-20	3.9	20
240	Orotic acid as a useful supramolecular synthon for the fabrication of an OPV based hydrogel: stoichiometry dependent injectable behavior. <i>Chemical Communications</i> , <b>2015</b> , 51, 6765-8	5.8	19
239	Role of spacer length in interaction between novel gemini imidazolium surfactants and <i>Rhizopus oryzae</i> lipase. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 81, 560-7	7.9	16
238	Ligand 5,10,15,20-tetra(N-methyl-4-pyridyl)porphine (TMPyP4) prefers the parallel propeller-type human telomeric G-quadruplex DNA over its other polymorphs. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 5-14	3.4	21
237	Efficacious gene silencing in serum and significant apoptotic activity induction by survivin downregulation mediated by new cationic gemini tocopheryl lipids. <i>Molecular Pharmaceutics</i> , <b>2015</b> , 12, 351-61	5.6	26
236	Pancreatic Cancer-Derived Exosomes Cause Paraneoplastic $\beta$ -cell Dysfunction. <i>Clinical Cancer Research</i> , <b>2015</b> , 21, 1722-33	12.9	106
235	Metallosurfactant Aggregates as Catalysts for the Hydrolytic Cleavage of Carboxylate and Phosphate Esters. <i>Current Organocatalysis</i> , <b>2015</b> , 3, 6-23	1.2	12
234	Multifarious facets of sugar-derived molecular gels: molecular features, mechanisms of self-assembly and emerging applications. <i>Chemical Society Reviews</i> , <b>2015</b> , 44, 5596-637	58.5	193
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