Guosong Chen

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1000241/publications.pdf

Version: 2024-02-01

111 papers	4,740 citations	109321 35 h-index	102487 66 g-index
116 all docs	116 docs citations	116 times ranked	5848 citing authors

#	Article	IF	Citations
1	Cyclodextrin-based inclusion complexation bridging supramolecular chemistry and macromolecular self-assembly. Chemical Society Reviews, 2011, 40, 2254.	38.1	758
2	Photoresponsive Pseudopolyrotaxane Hydrogels Based on Competition of Hostâ€“Guest Interactions. Angewandte Chemie - International Edition, 2010, 49, 4409-4413.	13.8	285
3	Progressive Macromolecular Selfâ€Assembly: From Biomimetic Chemistry to Bioâ€Inspired Materials. Advanced Materials, 2013, 25, 5215-5256.	21.0	210
4	Construction of Smart Supramolecular Polymeric Hydrogels Cross-linked by Discrete Organoplatinum(II) Metallacycles via Post-Assembly Polymerization. Journal of the American Chemical Society, 2016, 138, 4927-4937.	13.7	184
5	Supramolecular Hybrid Hydrogels from Noncovalently Functionalized Graphene with Block Copolymers. Macromolecules, 2011, 44, 7682-7691.	4.8	161
6	Dendritic Cell Lectin-Targeting Sentinel-like Unimolecular Glycoconjugates To Release an Anti-HIV Drug. Journal of the American Chemical Society, 2014, 136, 4325-4332.	13.7	137
7	Carbohydrate-Based Macromolecular Biomaterials. Chemical Reviews, 2021, 121, 10950-11029.	47.7	122
8	Dual Stimuli-Responsive Supramolecular Hydrogel Based on Hybrid Inclusion Complex (HIC). Macromolecules, 2010, 43, 8086-8093.	4.8	113
9	Protein crystalline frameworks with controllable interpenetration directed by dual supramolecular interactions. Nature Communications, 2014, 5, 4634.	12.8	112
10	Shape Effect of Glyco-Nanoparticles on Macrophage Cellular Uptake and Immune Response. ACS Macro Letters, 2016, 5, 1059-1064.	4.8	112
11	CO₂ Stimuli-Responsive, Injectable Block Copolymer Hydrogels Cross-Linked by Discrete Organoplatinum(II) Metallacycles via Stepwise Post-Assembly Polymerization. Journal of the American Chemical Society, 2017, 139, 13811-13820.	13.7	110
12	Dual Responsive Supramolecular Hydrogel with Electrochemical Activity. Langmuir, 2011, 27, 9602-9608.	3.5	90
13	Glycocalyxâ€Mimicking Nanoparticles for Stimulation and Polarization of Macrophages via Specific Interactions. Small, 2015, 11, 4191-4200.	10.0	88
14	Precise and Reversible Protein-Microtubule-Like Structure with Helicity Driven by Dual Supramolecular Interactions. Journal of the American Chemical Society, 2016, 138, 1932-1937.	13.7	85
15	Glycocalyx-Mimicking Nanoparticles Improve Anti-PD-L1 Cancer Immunotherapy through Reversion of Tumor-Associated Macrophages. Biomacromolecules, 2018, 19, 2098-2108.	5.4	69
16	Inclusion Complexation and Solubilization of Paclitaxel by Bridged Bis(Î²-cyclodextrin)s Containing a Tetraethylenepentaamino Spacer. Journal of Medicinal Chemistry, 2003, 46, 4634-4637.	6.4	67
17	Synthesis of Fluorous Tags for Incorporation of Reducing Sugars into a Quantitative Microarray Platform. Organic Letters, 2008, 10, 785-788.	4.6	64
18	â€œSweetâ€•Architecture-Dependent Uptake of Glycocalyx-Mimicking Nanoparticles Based on Biodegradable Aliphatic Polyesters by Macrophages. Journal of the American Chemical Society, 2017, 139, 14684-14692.	13.7	64

#	Article	IF	Citations
19	A tetraphenylethylene (TPE)-based supra-amphiphilic organoplatinum(<scp>ii</scp>) metallacycle and its self-assembly behaviour. Materials Chemistry Frontiers, 2017, 1, 1823-1828.	5.9	63
20	Glyco-Platelets with Controlled Morphologies via Crystallization-Driven Self-Assembly and Their Shape-Dependent Interplay with Macrophages. ACS Macro Letters, 2019, 8, 596-602.	4.8	63
21	Hydrogels locked by molecular recognition aiming at responsiveness and functionality. Polymer Chemistry, 2013, 4, 1733-1745.	3.9	60
22	Conformational manipulation of scale-up prepared single-chain polymeric nanogels for multiscale regulation of cells. Nature Communications, 2019, 10, 2705.	12.8	60
23	Glyco-regioisomerism Effect on Lectin-Binding and Cell-Uptake Pathway of Glycopolymer-Containing Nanoparticles. ACS Macro Letters, 2014, 3, 96-101.	4.8	59
24	Highly Ordered Selfâ€Assembly of Native Proteins into 1D, 2D, and 3D Structures Modulated by the Tether Length of Assemblyâ€Inducing Ligands. Angewandte Chemie - International Edition, 2017, 56, 10691-10695.	13.8	59
25	Dynamic-Covalent Hydrogel with NIR-Triggered Drug Delivery for Localized Chemo-Photothermal Combination Therapy. Biomacromolecules, 2020, 21, 556-565.	5.4	58
26	Building Nanowires from Micelles: Hierarchical Self-Assembly of Alternating Amphiphilic Glycopolypeptide Brushes with Pendants of High-Mannose Glycodendron and Oligophenylalanine. Journal of the American Chemical Society, 2016, 138, 12387-12394.	13.7	54
27	Inclusion complexes of azadirachtin with native and methylated cyclodextrins: solubilization and binding ability. Bioorganic and Medicinal Chemistry, 2005, 13, 4037-4042.	3.0	52
28	Inclusion complexes of paclitaxel and oligo(ethylenediamino) bridged bis(Î²-cyclodextrin)s: solubilization and antitumor activity. Bioorganic and Medicinal Chemistry, 2004, 12, 5767-5775.	3.0	47
29	Deprotection-Induced Morphology Transition and Immunoactivation of Glycovesicles: A Strategy of Smart Delivery Polymersomes. Journal of the American Chemical Society, 2018, 140, 8851-8857.	13.7	47
30	Dual Molecular Recognition Leading to a Proteinâ€“Polymer Conjugate and Further Self-Assembly. ACS Macro Letters, 2013, 2, 278-283.	4.8	46
31	Supramolecular Transformation of Metallacycle-linked Star Polymers Driven by Simple Phosphine Ligand-Exchange Reaction. Journal of the American Chemical Society, 2019, 141, 583-591.	13.7	46
32	Does PNIPAM block really retard the micelle-to-vesicle transition of its copolymer?. Polymer, 2011, 52, 3647-3654.	3.8	39
33	Polymeric vesicles mimicking glycocalyx (PV-Gx) for studying carbohydrateâ€“protein interactions in solution. Polymer Chemistry, 2012, 3, 1560.	3.9	39
34	Glyco-Inside Micelles and Vesicles Directed by Protectionâ€“Deprotection Chemistry. ACS Macro Letters, 2014, 3, 534-539.	4.8	37
35	Polyamineâ€Responsive Morphological Transformation of a Supramolecular Peptide for Specific Drug Accumulation and Retention in Cancer Cells. Small, 2021, 17, e2101139.	10.0	35
36	Continuously Tunable Ion Rectification and Conductance in Submicrochannels Stemming from Thermoresponsive Polymer Selfâ€Assembly. Angewandte Chemie - International Edition, 2019, 58, 12481-12485.	13.8	34

#	Article	IF	Citations
37	Chemically Controlled Helical Polymorphism in Protein Tubes by Selective Modulation of Supramolecular Interactions. Journal of the American Chemical Society, 2019, 141, 19448-19457.	13.7	34
38	Thermoresponsive AuNPs Stabilized by Pillarareneâ€Containing Polymers. Macromolecular Rapid Communications, 2015, 36, 1492-1497.	3.9	33
39	Bundle-Shaped Cyclodextrinâ˜†Tb Nano-Supramolecular Assembly Mediated by C60:Â Intramolecular Energy Transfer. Nano Letters, 2006, 6, 2196-2200.	9.1	32
40	Diversiform and Transformable Glyco-Nanostructures Constructed from Amphiphilic Supramolecular Metallocarbohydrates through Hierarchical Self-Assembly: The Balance between Metallacycles and Saccharides. ACS Nano, 2019, 13, 13474-13485.	14.6	32
41	The glyco-stereoisomerism effect on hydrogelation of polymers interacting via dynamic covalent bonds. Chemical Communications, 2014, 50, 9779-9782.	4.1	31
42	Cyclodextrins as carriers for cinchona alkaloids: a pH-responsive selective binding system. Organic and Biomolecular Chemistry, 2005, 3, 2519.	2.8	29
43	Aggregation-Induced Emission Luminogen Assisted Self-Assembly and Morphology Transition of Amphiphilic Glycopolypeptide with Bioimaging Application. ACS Macro Letters, 2019, 8, 893-898.	4.8	29
44	Precise protein assembly of array structures. Chemical Communications, 2016, 52, 10595-10605.	4.1	28
45	Exploring and Controlling the Polymorphism in Supramolecular Assemblies of Carbohydrates and Proteins. Accounts of Chemical Research, 2020, 53, 740-751.	15.6	28
46	Pseudopolyrotaxanes on Inorganic Nanoplatelets and their Supramolecular Hydrogels. Langmuir, 2011, 27, 12650-12656.	3.5	26
47	Molecular Binding Behavior of Pyridine-2,6-dicarboxamide-Bridged Bis(Î²-cyclodextrin) with Oligopeptides:â€‰ Switchable Molecular Binding Mode. Bioconjugate Chemistry, 2004, 15, 300-306.	3.6	25
48	Binding Behavior of Aliphatic Oligopeptides by Bridged and Metallobridged Bis(Î²-cyclodextrin)s Bearing an Oxamido Bis(2-benzoic) Carboxyl Linker. Bioconjugate Chemistry, 2004, 15, 1236-1245.	3.6	24
49	Deprotection-Induced Micellization of Glycopolymers: Control of Kinetics and Morphologies. Macromolecules, 2015, 48, 3705-3712.	4.8	24
50	Reversibly Manipulating the Surface Chemistry of Polymeric Nanostructures via a â€œGrafting Toâ€• Approach Mediated by Nucleobase Interactions. Macromolecules, 2017, 50, 3662-3670.	4.8	24
51	A fixable supramolecular cyclic polymer based on the cucurbit[8]uril-stabilized Ï€â€“Ï€ interaction. Polymer Chemistry, 2015, 6, 6880-6884.	3.9	23
52	Reversible vesicles of supramolecular hybrid nanoparticles. Soft Matter, 2012, 8, 3300.	2.7	22
53	Fate of Host-Stabilized Charge Transfer Complexation Based on Cucurbit[8]uril: Inducing Cyclization of PNIPAM and Dissociation in Self-Assembly of the Cyclic Polymer. ACS Macro Letters, 2016, 5, 588-592.	4.8	21
54	Structural factors of amphiphilic calix[6]biscrowns affecting their vesicleâ€“nanotube transitions in self-assembly. Journal of Materials Chemistry, 2011, 21, 13262.	6.7	19

#	Article	IF	Citations
55	A novel supramolecular graft copolymer via cucurbit[8]uril-based complexation and its self-assembly. Chinese Chemical Letters, 2013, 24, 568-572.	9.0	19
56	A Comprehensive Landscape for Fibril Association Behaviors Encoded Synergistically by Saccharides and Peptides. Journal of the American Chemical Society, 2021, 143, 6622-6633.	13.7	19
57	A polymeric chain extension driven by HSCT interaction. Polymer Chemistry, 2014, 5, 2709-2714.	3.9	18
58	Preparation of Pt(iv)-crosslinked polymer nanoparticles with an anti-detoxifying effect for enhanced anticancer therapy. Polymer Chemistry, 2017, 8, 2410-2422.	3.9	17
59	Interaction between Î²-cyclodextrin and 1,10-phenanthroline: uncommon 2:3 inclusion complex in the solid state. Carbohydrate Research, 2004, 339, 1649-1654.	2.3	16
60	Supramolecular Glycoâ€nanoparticles Toward Immunological Applications. Small, 2015, 11, 6065-6070.	10.0	16
61	A new story of cyclodextrin as a bulky pendent group causing uncommon behaviour to random copolymers in solution. Polymer Chemistry, 2012, 3, 954.	3.9	15
62	Self-Assembled Saccharide-Functionalized Amphiphilic Metallacycles as Biofilms Inhibitor via â€œSweet Talkingâ€. ACS Macro Letters, 2020, 9, 61-69.	4.8	15
63	Glycoprotein Mimics with Tunable Functionalization through Global Amino Acid Substitution and Copper Click Chemistry. Bioconjugate Chemistry, 2020, 31, 554-566.	3.6	15
64	Fabrication of Pascalâ€triangle Lattice of Proteins by Inducing Ligand Strategy. Angewandte Chemie - International Edition, 2020, 59, 9617-9623.	13.8	14
65	Cryo-Electron microscopy for the study of self-assembled poly(ionic liquid) nanoparticles and protein supramolecular structures. Colloid and Polymer Science, 2020, 298, 707-717.	2.1	13
66	Template synthesis of dual-functional porous MoS₂nanoparticles with photothermal conversion and catalytic properties. Nanoscale, 2022, 14, 6888-6901.	5.6	13
67	Direct and indirect coreâ€“shell inversion of block copolymer micelles. Polymer Chemistry, 2014, 5, 234-240.	3.9	12
68	Functionalization of DNA-Dendron Supramolecular Fibers and Application in Regulation of Escherichia coli Association. ACS Applied Materials & Interfaces, 2015, 7, 7351-7356.	8.0	12
69	Modification of polyfluorene nanoparticles via inclusion complexation based on cyclodextrin for lectin sensing and cell imaging. Science China Chemistry, 2016, 59, 1616-1620.	8.2	11
70	Stereoisomerism effect on sugarâ€“lectin binding of self-assembled glyco-nanoparticles of linear and brush copolymers. Colloids and Surfaces B: Biointerfaces, 2015, 133, 12-18.	5.0	10
71	Competition between Supramolecular Interaction and Proteinâ€“Protein Interaction in Protein Crystallization: Effects of Crystallization Method and Small Molecular Bridge. Industrial & Engineering Chemistry Research, 2018, 57, 6726-6733.	3.7	10
72	Glycosyltransferase-Induced Morphology Transition of Glycopeptide Self-Assemblies with Proteoglycan Residues. ACS Macro Letters, 2020, 9, 929-936.	4.8	10

#	Article	IF	Citations
73	Engineering the acyltransferase domain of epothilone polyketide synthase to alter the substrate specificity. Microbial Cell Factories, 2021, 20, 86.	4.0	10
74	Electrochemically sensitive supra-crosslink and its corresponding hydrogel. Science China Chemistry, 2012, 55, 836-843.	8.2	9
75	A hybrid hydrogel based on clay nanoplatelets and hostâ€“guest inclusion complexes. Chinese Chemical Letters, 2016, 27, 583-587.	9.0	9
76	Self-assembly of Human Galectin-1 via dual supramolecular interactions and its inhibition of T-cell agglutination and apoptosis. Nano Research, 2018, 11, 5566-5572.	10.4	9
77	Fast and Low-Cost Purification Strategy for Oligosaccharide Synthesis Based on a Hop-On/Off Carrier. Organic Letters, 2020, 22, 2564-2568.	4.6	9
78	Polymorphism of Kdo-Based Glycolipids: The Elaborately Determined Stable and Dynamic Bicelles. CCS Chemistry, 2022, 4, 2228-2238.	7.8	9
79	Tunable Aggregation-Induced Emission Fluorophore with the Assistance of the Self-Assembly of Block Copolymers by Controlling the Morphology and Secondary Conformation for Bioimaging. Biomacromolecules, 2022, 23, 798-807.	5.4	9
80	Secondary assembly of bile salts mediated by Î²-cyclodextrinâ€“terbium(III) complex. Bioorganic and Medicinal Chemistry, 2006, 14, 6615-6620.	3.0	8
81	Highly Ordered Selfâ€Assembly of Native Proteins into 1D, 2D, and 3D Structures Modulated by the Tether Length of Assemblyâ€Inducing Ligands. Angewandte Chemie, 2017, 129, 10831-10835.	2.0	8
82	Role of Protecting Groups in Synthesis and Self-Assembly of Glycopolymers. Biomacromolecules, 2017, 18, 568-575.	5.4	8
83	Molecular binding behaviours of bile salts by bridged and metallobridged bis(Î²-cyclodextrin)s with naphthalenecarboxyl linkers. Supramolecular Chemistry, 2009, 21, 409-415.	1.2	7
84	Synchronous One-Pot (SOP) synthesis of hybrid structures: Metal nanoparticles in self-assemblies of amphiphilic calix[6]biscrowns. Journal of Colloid and Interface Science, 2012, 383, 82-88.	9.4	7
85	Self-assembly of supra-amphiphile of azobenzene-galactopyranoside based on dynamic covalent bond and its dual responses. Chinese Chemical Letters, 2016, 27, 1740-1744.	9.0	7
86	The glyco-regioisomerism effect on dynamic interactions between glycopolymers with galactose pendants and benzoxaborole-containing polymer. Science China Chemistry, 2018, 61, 71-75.	8.2	7
87	Synthesis of novel indolyl modified Î²-cyclodextrins and their molecular recognition behavior controlled by the solution's pH value. Perkin Transactions II RSC, 2002, , 463-469.	1.1	6
88	Nonâ€covalent Sugar Modification and Selfâ€assembly of Fluorous Gold Nanoparticles Driven by Fluorous Interaction. Chinese Journal of Chemistry, 2013, 31, 695-700.	4.9	6
89	Three-dimensional protein assemblies directed by orthogonal non-covalent interactions. Chemical Communications, 2016, 52, 9687-9690.	4.1	6
90	Construction of Metallacycleâ€Linked Heteroarm Star Polymers via Orthogonal Postâ€Assembly Polymerization and Their Intriguing Selfâ€Assembly into Largeâ€Area and Regular Nanocubes â€. Chinese Journal of Chemistry, 2020, 38, 1285-1291.	4.9	6

#	Article	IF	Citations
91	The Past Ten Years of Carbohydrate Polymers in ACS Macro Letters. ACS Macro Letters, 2021, 10, 1145-1150.	4.8	6
92	Fluorous-based carbohydrate Quartz Crystal Microbalance. Carbohydrate Research, 2015, 405, 66-69.	2.3	5
93	Interactions of Glycopolymers with Assemblies of Peptide Amphiphiles via Dynamic Covalent Bonding. ACS Biomaterials Science and Engineering, 2018, 4, 2061-2066.	5.2	5
94	The effect of monosaccharides on self-assembly of benzenetricarboxamides. Chinese Chemical Letters, 2019, 30, 587-591.	9.0	5
95	Continuously Tunable Ion Rectification and Conductance in Submicrochannels Stemming from Thermoresponsive Polymer Selfâ€Assembly. Angewandte Chemie, 2019, 131, 12611-12615.	2.0	4
96	Multi-Stimuli-Triggered Shape Transformation of Polymeric Filaments Derived from Dynamic Covalent Block Copolymers. Biomacromolecules, 2020, 21, 4159-4168.	5.4	4
97	Functional Glycopolypeptides: Synthesis and Biomedical Applications. Advances in Polymer Technology, 2020, 2020, 1-16.	1.7	4
98	Sequence-Defined Peptidocopolymers: The Effect of Small Molecular Linkers. Biomacromolecules, 2015, 16, 3995-4003.	5.4	3
99	A facile approach to prepare hybrid nanoparticles with morphology controlled by the thickness of glyco-shell. Chinese Chemical Letters, 2015, 26, 847-850.	9.0	3
100	CO₂-switchable response of protein microtubules: behaviour and mechanism. Materials Chemistry Frontiers, 2018, 2, 1642-1646.	5.9	2
101	Vapor-Stripping and Encapsulating to Construct Particles with Time-Controlled Asymmetry and Anisotropy. Coatings, 2020, 10, 1248.	2.6	2
102	Diving into the active, complex and living fairyland of precise biomacromolecular self-assemblies. Giant, 2020, 1, 100004.	5.1	2
103	Photoresponsive glyco-nanostructures integrated from supramolecular metallocarbohydrates for the reversible capture and release of lectins. Polymer Chemistry, 2021, 12, 3096-3104.	3.9	2
104	Self-assembly behavior of disaccharide-containing supra-amphiphiles. Chinese Chemical Letters, 2023, 34, 107566.	9.0	2
105	Liposome-Based Carbohydrate Vaccine for Simultaneously Eliciting Humoral and Cellular Antitumor Immunity. ACS Macro Letters, 2022, 11, 975-981.	4.8	2
106	Fabrication of Pascalâ€triangle Lattice of Proteins by Inducing Ligand Strategy. Angewandte Chemie, 2020, 132, 9704-9710.	2.0	1
107	RÃ¼cktitelbild: Highly Ordered Selfâ€Assembly of Native Proteins into 1D, 2D, and 3D Structures Modulated by the Tether Length of Assemblyâ€Inducing Ligands (Angew. Chem. 36/2017). Angewandte Chemie, 2017, 129, 11100-11100.	2.0	0
108	Hierarchical self-assembly of native protein and its dynamic regulation directed by inducing ligand with oligosaccharide. European Polymer Journal, 2020, 135, 109871.	5.4	0

#	Article	IF	Citations
109	Glycopolymer-Based Hydrogels, Microgels, and Nanogels and Their Applications. , 2021, , 93-115.		0
110	Construction of Glyco-Nanostructures Through the Self-Assembly of Saccharide-Containing Macrocyclic Amphiphiles. , 2019, , 1-25.		0
111	Construction of Glyco-nanostructures Through the Self-Assembly of Saccharide-Containing Macrocyclic Amphiphiles. , 2020, , 997-1021.		0