

Thimmaiah Govindaraju

List of Publications by Year in descending order

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141
papers

7,011
citations

50566

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73587

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150
all docs

150
docs citations

150
times ranked

8077
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Architectonics Guide to the Fabrication of Self-Cleaning Materials. Nanostructure Science and Technology, 2022, , 71-88.	0.1	1
2	Functional Molecule-Templated DNA Molecular Architectonics. Nanostructure Science and Technology, 2022, , 281-305.	0.1	0
3	Molecular Architectonics. Nanostructure Science and Technology, 2022, , 3-34.	0.1	1
4	Targeting Oncogene Promoters and Ribosomal RNA Biogenesis by G-Quadruplex Binding Ligands Translate to Anticancer Activity. ACS Bio & Med Chem Au, 2022, 2, 125-139.	1.7	8
5	Chapter 11. Transmission of Pathogenic Proteins and the Role of Microbial Infection in Alzheimer's Disease Pathology. , 2022, , 329-353.		1
6	Combating amyloid-induced cellular toxicity and stiffness by designer peptidomimetics. RSC Chemical Biology, 2022, 3, 220-226.	2.0	13
7	Nucleic Acid Architectonics for pH-Responsive DNA Systems and Devices. ACS Omega, 2022, 7, 3167-3176.	1.6	13
8	Chapter 9. Post-translational Modifications and Alzheimer's Disease. , 2022, , 255-286.		1
9	Reliable Fluorometric Detection of SARS-CoV-2 by Targeting the G-Quadruplex through pH-Triggered Conformational Polymorphism. ACS Sensors, 2022, 7, 453-459.	4.0	11
10	Differential copper-guided architectures of amyloid β peptidomimetics modulate oxidation states and catalysis. Nanoscale Advances, 2022, 4, 2196-2200.	2.2	4
11	Multifunctional molecules with a bipyridyl core ameliorate multifaceted amyloid toxicity. Chemical Communications, 2022, 58, 6288-6291.	2.2	7
12	Mechanistic Insights for Drug Repurposing and the Design of Hybrid Drugs for Alzheimer's Disease. Journal of Medicinal Chemistry, 2022, 65, 7088-7105.	2.9	21
13	Rationally Designed Molecules Synergistically Modulate Multifaceted $A\beta$ Toxicity, Microglial Activation, and Neuroinflammation. ACS Chemical Neuroscience, 2022, 13, 2209-2221.	1.7	8
14	Molecular-Architectonics-Guided Dynamic Assembly to Generate Fluorescent Organic Nanoclusters with Implications for Optical Imaging. ACS Applied Nano Materials, 2021, 4, 979-984.	2.4	4
15	Dendrimer Architectonics to Treat Cancer and Neurodegenerative Diseases with Implications in Theranostics and Personalized Medicine. ACS Applied Bio Materials, 2021, 4, 1115-1139.	2.3	25
16	Molecular Architectonics-Guided Design of Biomaterials. Chemistry - an Asian Journal, 2021, 16, 423-442.	1.7	8
17	Benzothiazole-Phenothiazine Conjugate Based Molecular Probe for the Differential Detection of Glycated Albumin. Israel Journal of Chemistry, 2021, 61, 222-230.	1.0	4
18	A matrix targeted fluorescent probe to monitor mitochondrial dynamics. Organic and Biomolecular Chemistry, 2021, 19, 801-808.	1.5	10

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19	Highly sensitive and Rapid detection of mercury in water using functionalized etched fiber Bragg grating sensors. <i>Sensors and Actuators B: Chemical</i> , 2021, 333, 129550.	4.0	10
20	Amyloid- β -Derived Peptidomimetics Inhibits Tau Aggregation. <i>ACS Omega</i> , 2021, 6, 11131-11138.	1.6	13
21	DNA Minor Groove-Induced <i>cis</i> \rightarrow <i>trans</i> Isomerization of a Near-Infrared Fluorescent Probe. <i>Biochemistry</i> , 2021, 60, 2084-2097.	1.2	5
22	Cyclic Dipeptide: A Privileged Molecular Scaffold to Derive Structural Diversity and Functional Utility. <i>ChemMedChem</i> , 2021, 16, 2558-2587.	1.6	35
23	Mitochondria-Specific Recognition of G-Quadruplexes by a Flavylum-Based Turn-On Near-Infrared Rotor Probe. <i>Analysis & Sensing</i> , 2021, 1, 180-187.	1.1	6
24	Thiophene-Based Dual Modulators of $A\beta$ and Tau Aggregation. <i>ChemBioChem</i> , 2021, 22, 3348-3357.	1.3	8
25	Naphthalene Monoimide Derivative Ameliorates Amyloid Burden and Cognitive Decline in a Transgenic Mouse Model of Alzheimer's Disease. <i>Advanced Therapeutics</i> , 2021, 4, 2000225.	1.6	18
26	Identification of Multicolor Fluorescent Probes for Heterogeneous $A\beta$ Deposits in Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 802614.	1.7	3
27	Role of Post-translational Modifications in Alzheimer's Disease. <i>ChemBioChem</i> , 2020, 21, 1052-1079.	1.3	42
28	Biomolecules-derived biomaterials. <i>Biomaterials</i> , 2020, 230, 119633.	5.7	93
29	Cyclic Dipeptide-Guided Aggregation-Induced Emission of Naphthalimide and Its Application for the Detection of Phenolic Drugs. <i>Journal of Organic Chemistry</i> , 2020, 85, 1525-1536.	1.7	29
30	Co-solvent polarity tuned thermochromic nanotubes of cyclic dipeptide-polydiacetylene supramolecular system. <i>RSC Advances</i> , 2020, 10, 35389-35396.	1.7	5
31	Dihydrophthalazinediones accelerate amyloid β peptide aggregation to nontoxic species. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	0.8	0
32	Threading Intercalator-Induced Nanocondensates and Role of Endogenous Metal Ions in Decondensation for DNA Delivery. <i>ACS Applied Bio Materials</i> , 2020, 3, 6979-6991.	2.3	10
33	Polyampholyte-Based Synthetic Chaperone Modulate Amyloid Aggregation and Lithium Delivery. <i>ACS Chemical Neuroscience</i> , 2020, 11, 2812-2826.	1.7	11
34	Recognition of G-quadruplex topology through hybrid binding with implications in cancer theranostics. <i>Theranostics</i> , 2020, 10, 10394-10414.	4.6	13
35	Dual DNA binding mode of a turn-on red fluorescent probe thiazole coumarin. <i>PLoS ONE</i> , 2020, 15, e0239145.	1.1	5
36	Intrinsic Role of Molecular Architectonics in Enhancing the Catalytic Activity of Lead in Glucose Hydrolysis. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 14057-14063.	4.0	8

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37	Antioxidant Berberine-Derivative Inhibits Multifaceted Amyloid Toxicity. <i>IScience</i> , 2020, 23, 101005.	1.9	63
38	Molecular architectonics of DNA for functional nanoarchitectures. <i>Beilstein Journal of Nanotechnology</i> , 2020, 11, 124-140.	1.5	28
39	Molecular Tools to Detect Alloforms of A β and Tau: Implications for Multiplexing and Multimodal Diagnosis of Alzheimer's Disease. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 507-546.	2.0	39
40	Molecular Architectonics-Guided Fabrication of Superhydrophobic and Self-Cleaning Materials. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000246.	1.9	35
41	Injectable Silk Fibroin-Based Hydrogel for Sustained Insulin Delivery in Diabetic Rats. <i>ACS Applied Bio Materials</i> , 2020, 3, 3544-3552.	2.3	26
42	Molecular Architectonics of Cyclic Dipeptide Amphiphiles and Their Application in Drug Delivery. <i>ACS Applied Bio Materials</i> , 2020, 3, 3413-3422.	2.3	11
43	Amino Acids and Peptides as Functional Components in Arylenediimide-Based Molecular Architectonics. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 1883-1901.	2.0	69
44	Phosphoglycolate phosphatase is a metabolic proofreading enzyme essential for cellular function in <i>Plasmodium berghei</i> . <i>Journal of Biological Chemistry</i> , 2019, 294, 4997-5007.	1.6	3
45	Small Molecule Inhibits Metal-Dependent and -Independent Multifaceted Toxicity of Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2019, 10, 3611-3621.	1.7	43
46	Peptide-modulated self-assembly as a versatile strategy for tumor supramolecular nanotheranostics. <i>Theranostics</i> , 2019, 9, 3249-3261.	4.6	60
47	Unambiguous Detection of Elevated Levels of Hypochlorous Acid in Double Transgenic AD Mouse Brain. <i>ACS Chemical Neuroscience</i> , 2019, 10, 4847-4853.	1.7	38
48	Melanin incorporated electroactive and antioxidant silk fibroin nanofibrous scaffolds for nerve tissue engineering. <i>Materials Science and Engineering C</i> , 2019, 94, 17-25.	3.8	76
49	DNA-Based Nanoswitches and Devices. , 2019, , 365-408.		6
50	Functional Molecule-Templated DNA Nanoarchitectures. , 2019, , 69-106.		5
51	Development of Biomolecule Integrated Materials and their Biological Applications. , 2019, , 173-198.		1
52	Bicomponent β -sheet assembly of dipeptide fluorophores of opposite polarity and sensitive detection of nitro-explosives. <i>Chemical Communications</i> , 2018, 54, 2280-2283.	2.2	26
53	Architectonics: Design of Molecular Architecture for Functional Applications. <i>Accounts of Chemical Research</i> , 2018, 51, 414-426.	7.6	92
54	Far-red fluorescent probes for canonical and non-canonical nucleic acid structures: current progress and future implications. <i>Chemical Society Reviews</i> , 2018, 47, 1098-1131.	18.7	167

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55	Hybrid Multifunctional Modulators Inhibit Multifaceted A β Toxicity and Prevent Mitochondrial Damage. ACS Chemical Neuroscience, 2018, 9, 1432-1440.	1.7	53
56	SERS and fluorescence-based ultrasensitive detection of mercury in water. Biosensors and Bioelectronics, 2018, 100, 556-564.	5.3	155
57	<sc>Dopa and dopamine conjugated naphthalenediimides modulate amyloid β toxicity. Organic and Biomolecular Chemistry, 2018, 16, 7682-7692.	1.5	20
58	Current progress, challenges and future prospects of diagnostic and therapeutic interventions in Alzheimer's disease. RSC Advances, 2018, 8, 23780-23804.	1.7	105
59	Stimuli-responsive Material Inspired Drug Delivery Systems and Devices. Biomaterials Science Series, 2018, , 317-334.	0.1	2
60	A red-NIR emissive probe for the selective detection of albumin in urine samples and live cells. Organic and Biomolecular Chemistry, 2017, 15, 1584-1588.	1.5	46
61	A β plaque-selective NIR fluorescence probe to differentiate Alzheimer's disease from tauopathies. Biosensors and Bioelectronics, 2017, 98, 54-61.	5.3	83
62	Cyclic dipeptide based cell-penetrating peptidomimetics for effective DNA delivery. Organic and Biomolecular Chemistry, 2017, 15, 3170-3174.	1.5	25
63	Conformational heterogeneity in tails of DNA-binding proteins is augmented by proline containing repeats. Molecular BioSystems, 2017, 13, 2531-2544.	2.9	3
64	Cyclic Dipeptide-Based Ambidextrous Supergelators: Minimalistic Rational Design, Structure-Gelation Studies, and In Situ Hydrogelation. Biomacromolecules, 2017, 18, 3581-3590.	2.6	36
65	Radical Scavenging Antioxidant Cyclic Dipeptides and Silk Fibroin Biomaterials. European Journal of Organic Chemistry, 2017, 2017, 4363-4369.	1.2	19
66	Molecular Self-Assembly of Cyclic Dipeptide Derivatives and Their Applications. ChemPlusChem, 2017, 82, 88-106.	1.3	93
67	Natural Tripeptide-Based Inhibitor of Multifaceted Amyloid β Toxicity. ACS Chemical Neuroscience, 2016, 7, 1300-1310.	1.7	108
68	Pigmented Silk Nanofibrous Composite for Skeletal Muscle Tissue Engineering. Advanced Healthcare Materials, 2016, 5, 1222-1232.	3.9	81
69	Molecular Architectonics of Naphthalenediimides for Efficient Structure-Property Correlation. ACS Applied Materials & Interfaces, 2016, 8, 8678-8685.	4.0	44
70	Engineering molecular self-assembly of perylene diimide through pH-responsive chiroptical switching. Molecular Systems Design and Engineering, 2016, 1, 202-207.	1.7	29
71	Imidazolyl-Naphthalenediimide-Based Threading Intercalators of DNA. ChemBioChem, 2016, 17, 2162-2171.	1.3	22
72	Emergent Behaviors in Kinetically Controlled Dynamic Self-Assembly of Synthetic Molecular Systems. ACS Omega, 2016, 1, 378-387.	1.6	19

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73	Surface-Functionalized Silk Fibroin Films as a Platform To Guide Neuron-like Differentiation of Human Mesenchymal Stem Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22849-22859.	4.0	64
74	Nanoarchitectonics of Small Molecule and DNA for Ultrasensitive Detection of Mercury. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 30362-30371.	4.0	94
75	A High Affinity Red Fluorescence and Colorimetric Probe for Amyloid β^2 Aggregates. <i>Scientific Reports</i> , 2016, 6, 23668.	1.6	90
76	A molecular beacon-based DNA switch for reversible pH sensing in vesicles and live cells. <i>Chemical Communications</i> , 2016, 52, 8741-8744.	2.2	25
77	Multi-Stimuli-Responsive Charge-Transfer Hydrogel for Room-Temperature Organic Ferroelectric Thin-Film Devices. <i>Journal of the American Chemical Society</i> , 2016, 138, 8259-8268.	6.6	85
78	Stimuli-responsive colorimetric and NIR fluorescence combination probe for selective reporting of cellular hydrogen peroxide. <i>Chemical Science</i> , 2016, 7, 2832-2841.	3.7	93
79	Bioinspired Reductionistic Peptide Engineering for Exceptional Mechanical Properties. <i>Scientific Reports</i> , 2015, 5, 16070.	1.6	36
80	Fluorescence reporting of G-quadruplex structures and modulating their DNAzyme activity using polyethylenimine- π -pyrene conjugate. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 2395-2400.	1.0	10
81	Sequence-specific recognition of DNA minor groove by an NIR-fluorescence switch-on probe and its potential applications. <i>Nucleic Acids Research</i> , 2015, 43, 8651-8663.	6.5	66
82	Rationally Designed Peptidomimetic Modulators of $A\beta^2$ Toxicity in Alzheimer's Disease. <i>Scientific Reports</i> , 2015, 5, 8139.	1.6	82
83	A switch-on near-infrared fluorescence-ready probe for Cu(I): live cell imaging. <i>Supramolecular Chemistry</i> , 2015, 27, 589-594.	1.5	31
84	Bioinspired Nanoarchitectonics of Naphthalene Diimide to Access 2D Sheets of Tunable Size, Shape, and Optoelectronic Properties. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2015, 25, 293-300.	1.9	29
85	Double zipper helical assembly of deoxyoligonucleotides: mutual templating and chiral imprinting to form hybrid DNA ensembles. <i>Chemical Communications</i> , 2015, 51, 5493-5496.	2.2	18
86	Crystallographic insight-guided nanoarchitectonics and conductivity modulation of an n-type organic semiconductor through peptide conjugation. <i>Chemical Communications</i> , 2015, 51, 8315-8318.	2.2	46
87	Function and toxicity of amyloid beta and recent therapeutic interventions targeting amyloid beta in Alzheimer's disease. <i>Chemical Communications</i> , 2015, 51, 13434-13450.	2.2	191
88	A Thiazole Coumarin (TC) Turn-On Fluorescence Probe for AT-Base Pair Detection and Multipurpose Applications in Different Biological Systems. <i>Scientific Reports</i> , 2015, 4, 6476.	1.6	49
89	Synthesis of Hybrid Cyclic Peptoids and Identification of Autophagy Enhancer. <i>ChemPlusChem</i> , 2014, 79, 25-30.	1.3	22
90	Assembly Modulation of PDI Derivative as a Supramolecular Fluorescence Switching Probe for Detection of Cationic Surfactant and Metal Ions in Aqueous Media. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 21369-21379.	4.0	69

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91	A probe for ratiometric near-infrared fluorescence and colorimetric hydrogen sulfide detection and imaging in live cells. <i>RSC Advances</i> , 2014, 4, 11147-11151.	1.7	64
92	Nanoarchitectonics of biomolecular assemblies for functional applications. <i>Nanoscale</i> , 2014, 6, 13348-13369.	2.8	79
93	Biomimetic molecular organization of naphthalene diimide in the solid state: tunable (chiro-) optical, viscoelastic and nanoscale properties. <i>RSC Advances</i> , 2014, 4, 20154-20163.	1.7	45
94	Molecular Architectonics of Stereochemically Constrained π -Complementary Functional Modules. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 5838-5847.	1.2	25
95	A Supramolecular Gel from a Quadruple Zwitterion that Responds to Both Acid and Base. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12550-12554.	7.2	72
96	A Highly Selective Reaction-Based Two-Photon Probe for Copper(I) in Aqueous Media. <i>ChemPlusChem</i> , 2013, 78, 785-788.	1.3	18
97	Reaction-based probes for Co(II) and Cu(I) with dual output modes: fluorescence live cell imaging. <i>RSC Advances</i> , 2013, 3, 16788.	1.7	51
98	Green-fluorescent naphthalene diimide: conducting layered hierarchical 2D nanosheets and reversible probe for detection of aromatic solvents. <i>RSC Advances</i> , 2013, 3, 11459.	1.7	31
99	FRET-based rational strategy for ratiometric detection of Cu ²⁺ and live cell imaging. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 831-837.	4.0	85
100	An effective and regioselective bromination of 1,4,5,8-naphthalenetetracarboxylic dianhydride using tribromoisocyanuric acid. <i>Tetrahedron Letters</i> , 2013, 54, 6314-6318.	0.7	13
101	A turn-on NIR fluorescence and colourimetric cyanine probe for monitoring the thiol content in serum and the glutathione reductase assisted glutathione redox process. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 2098.	1.5	81
102	Exploring hydrogen bonding and weak aromatic interactions induced assembly of adenine and thymine functionalised naphthalenediimides. <i>New Journal of Chemistry</i> , 2013, 37, 1302.	1.4	23
103	Dibromohydantoin: A Convenient Brominating Reagent for 1,4,5,8-Naphthalenetetracarboxylic Dianhydride. <i>Asian Journal of Organic Chemistry</i> , 2013, 2, 779-785.	1.3	33
104	Extremely Slow Dynamics of an Abiotic Helical Assembly: Unusual Relevance to the Secondary Structure of Proteins. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 583-588.	2.1	17
105	Solvent-Induced Helical Assembly and Reversible Chiroptical Switching of Chiral Cyclic Dipeptide-Functionalized Naphthalenediimides. <i>Chemistry - A European Journal</i> , 2013, 19, 16615-16624.	1.7	61
106	Molecular assembly of amino acid interlinked, topologically symmetric, π -complementary donor-acceptor-donor triads. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 1565-1571.	1.3	9
107	Hydrogen bond directed self-assembly of cyclic dipeptide derivatives: gelation and ordered hierarchical architectures. <i>RSC Advances</i> , 2012, 2, 5539.	1.7	58
108	Self-Cleaning Functional Molecular Materials. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10324-10328.	7.2	46

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109	Reactive Probes for Ratiometric Detection of Co ²⁺ and Cu ²⁺ Based on Excited-State Intramolecular Proton Transfer Mechanism. <i>Organic Letters</i> , 2012, 14, 6008-6011.	2.4	129
110	A differentially selective sensor with fluorescence turn-on response to Zn ²⁺ and dual-mode ratiometric response to Al ³⁺ in aqueous media. <i>Chemical Communications</i> , 2012, 48, 1039-1041.	2.2	318
111	Two-dimensional nanoarchitectonics: organic and hybrid materials. <i>Nanoscale</i> , 2012, 4, 6102.	2.8	131
112	Amino Acid Derivatized Arylenediimides: A Versatile Modular Approach for Functional Molecular Materials. <i>Advanced Materials</i> , 2012, 24, 3905-3922.	11.1	93
113	Chiral Transcription and Retentive Helical Memory: Probing Peptide Auxiliaries Appended with Naphthalenediimides for Their One-Dimensional Molecular Organization. <i>Chemistry - A European Journal</i> , 2012, 18, 4818-4822.	1.7	63
114	Inside Cover: Chiral Transcription and Retentive Helical Memory: Probing Peptide Auxiliaries Appended with Naphthalenediimides for Their One-Dimensional Molecular Organization (<i>Chem. Eur. J.</i> 16/2012). <i>Chemistry - A European Journal</i> , 2012, 18, 4798-4798.	1.7	0
115	Covalent crosslinking of carbon nanostructures. <i>Journal of Chemical Sciences</i> , 2012, 124, 551-556.	0.7	2
116	Aldazine-based colorimetric sensors for Cu ²⁺ and Fe ³⁺ . <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 304-310.	4.0	303
117	A bio-inspired design strategy: Organization of tryptophan-appended naphthalenediimide into well-defined architectures induced by molecular interactions. <i>Nanoscale</i> , 2011, 3, 2536.	2.8	56
118	Spontaneous self-assembly of designed cyclic dipeptide (Phg-Phg) into two-dimensional nano- and mesosheets. <i>Supramolecular Chemistry</i> , 2011, 23, 487-492.	1.5	46
119	Highly Selective Colorimetric Chemosensor for Co ²⁺ . <i>Inorganic Chemistry</i> , 2011, 50, 11282-11284.	1.9	131
120	Reversible fluorescence sensing of Zn ²⁺ based on pyridine-constrained bis(triazole-linked hydroxyquinoline) sensor. <i>Supramolecular Chemistry</i> , 2011, 23, 703-709.	1.5	44
121	Engineering Molecular Organization of Naphthalenediimides: Large Nanosheets with Metallic Conductivity and Attoliter Containers. <i>Advanced Functional Materials</i> , 2011, 21, 3875-3882.	7.8	67
122	Molecular Engineering: Engineering Molecular Organization of Naphthalenediimides: Large Nanosheets with Metallic Conductivity and Attoliter Containers (<i>Adv. Funct. Mater.</i> 20/2011). <i>Advanced Functional Materials</i> , 2011, 21, 3998-3998.	7.8	0
123	Naphthaldehyde-Urea/Thiourea Conjugates as Turn-On Fluorescent Probes for Al ³⁺ Based on Restricted C=N Isomerization. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 5479-5485.	1.0	107
124	Highly Selective Visible and Near-IR Sensing of Cu ²⁺ Based on Thiourea-Salicylaldehyde Coordination in Aqueous Media. <i>Chemistry - A European Journal</i> , 2011, 17, 1410-1414.	1.7	118
125	Visible-Near-Infrared and Fluorescent Copper Sensors Based on Julolidine Conjugates: Selective Detection and Fluorescence Imaging in Living Cells. <i>Chemistry - A European Journal</i> , 2011, 17, 11152-11161.	1.7	173
126	Spontaneous self-assembly of aromatic cyclic dipeptide into fibre bundles with high thermal stability and propensity for gelation. <i>Supramolecular Chemistry</i> , 2011, 23, 759-767.	1.5	31

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127	Rhodamine based bright red colourimetric and turn-on fluorescence chemosensor for selective detection of Cu ²⁺ . <i>Materials Technology</i> , 2011, 26, 168-172.	1.5	36
128	Pyrrolidine constrained bipyridyl-dansyl click fluoroionophore as selective Al ³⁺ -sensor. <i>Chemical Communications</i> , 2010, 46, 4499.	2.2	329
129	Covalent modification and exfoliation of graphene oxide using ferrocene. <i>Nanoscale</i> , 2010, 2, 1762.	2.8	94
130	Conformationally Constrained (Coumarin-Triazolyl-Bipyridyl) Click Fluoroionophore as a Selective Al ³⁺ Sensor. <i>Inorganic Chemistry</i> , 2010, 49, 7229-7231.	1.9	277
131	Surface immobilization of biomolecules by click sulfonamide reaction. <i>Chemical Communications</i> , 2008, , 3723.	2.2	42
132	Using Measurements of Anchoring Energies of Liquid Crystals on Surfaces To Quantify Proteins Captured by Immobilized Ligands. <i>Journal of the American Chemical Society</i> , 2007, 129, 11223-11231.	6.6	57
133	Cyclohexanyl Peptide Nucleic Acids (chPNAs) for Preferential RNA Binding: Effective Tuning of Dihedral Angle ϕ^2 in PNAs for DNA/RNA Discrimination. <i>Journal of Organic Chemistry</i> , 2006, 71, 14-21.	1.7	29
134	Backbone extended pyrrolidine PNA (bepPNA): a chiral PNA for selective RNA recognition. <i>Tetrahedron</i> , 2006, 62, 2321-2330.	1.0	21
135	Backbone-extended pyrrolidine peptide nucleic acids (bepPNA): design, synthesis and DNA/RNA binding studies. <i>Chemical Communications</i> , 2005, , 495.	2.2	26
136	(SR/RS)-Cyclohexanyl PNAs: Conformationally Preorganized PNA Analogues with Unprecedented Preference for Duplex Formation with RNA. <i>Journal of the American Chemical Society</i> , 2005, 127, 4144-4145.	6.6	49
137	cis-Cyclopentyl PNA (cpPNA) as constrained chiral PNA analogues: stereochemical dependence of DNA/RNA hybridization Electronic Supplementary Information (ESI) available: Experimental procedures for the synthesis of compounds, ¹ H, ¹³ C NMR, mass spectral data, crystal structural data and melting curves for triplexes. See http://www.rsc.org/suppdata/cc/b3/b317000d/ . <i>Chemical Communications</i> , 2004, , 860.	2.2	23
138	(1S,2R/1R,2S)-cis-Cyclopentyl PNAs (cpPNAs) as Constrained PNA Analogues: Synthesis and Evaluation of aeg-cpPNA Chimera and Stereopreferences in Hybridization with DNA/RNA. <i>Journal of Organic Chemistry</i> , 2004, 69, 5725-5734.	1.7	25
139	Synthesis and Evaluation of (1S,2R/1R,2S)-Aminocyclohexylglycyl PNAs as Conformationally Preorganized PNA Analogues for DNA/RNA Recognition. <i>Journal of Organic Chemistry</i> , 2004, 69, 1858-1865.	1.7	31
140	(1S,2R/1R,2S)-Aminocyclohexyl Glycyl Thymine PNA: Synthesis, Monomer Crystal Structures, and DNA/RNA Hybridization Studies. <i>Organic Letters</i> , 2003, 5, 3013-3016.	2.4	45
141	Mercury mediated DNA-Au/Ag nanocluster ensembles to generate a gray code encoder for biocomputing. <i>Materials Horizons</i> , 0, , .	6.4	5