

Thimmaiah Govindaraju

List of Publications by Year in descending order

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141
papers

7,011
citations

44069

48
h-index

64796

79
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150
all docs

150
docs citations

150
times ranked

7161
citing authors

#	ARTICLE	IF	CITATIONS
1	Pyrrolidine constrained bipyridyl-dansyl click fluoroionophore as selective Al ³⁺ sensor. Chemical Communications, 2010, 46, 4499.	4.1	329
2	A differentially selective sensor with fluorescence turn-on response to Zn ²⁺ and dual-mode ratiometric response to Al ³⁺ in aqueous media. Chemical Communications, 2012, 48, 1039-1041.	4.1	318
3	Aldazine-based colorimetric sensors for Cu ²⁺ and Fe ³⁺ . Sensors and Actuators B: Chemical, 2012, 161, 304-310.	7.8	303
4	Conformationally Constrained (Coumarin-Triazolyl-Bipyridyl) Click Fluoroionophore as a Selective Al ³⁺ Sensor. Inorganic Chemistry, 2010, 49, 7229-7231.	4.0	277
5	Function and toxicity of amyloid beta and recent therapeutic interventions targeting amyloid beta in Alzheimer's disease. Chemical Communications, 2015, 51, 13434-13450.	4.1	191
6	Visible-Near-Infrared and Fluorescent Copper Sensors Based on Julolidine Conjugates: Selective Detection and Fluorescence Imaging in Living Cells. Chemistry - A European Journal, 2011, 17, 11152-11161.	3.3	173
7	Far-red fluorescent probes for canonical and non-canonical nucleic acid structures: current progress and future implications. Chemical Society Reviews, 2018, 47, 1098-1131.	38.1	167
8	SERS and fluorescence-based ultrasensitive detection of mercury in water. Biosensors and Bioelectronics, 2018, 100, 556-564.	10.1	155
9	Highly Selective Colorimetric Chemosensor for Co ²⁺ . Inorganic Chemistry, 2011, 50, 11282-11284.	4.0	131
10	Two-dimensional nanoarchitectonics: organic and hybrid materials. Nanoscale, 2012, 4, 6102.	5.6	131
11	Reactive Probes for Ratiometric Detection of Co ²⁺ and Cu ²⁺ Based on Excited-State Intramolecular Proton Transfer Mechanism. Organic Letters, 2012, 14, 6008-6011.	4.6	129
12	Highly Selective Visible and Near-IR Sensing of Cu ²⁺ Based on Thiourea-Salicylaldehyde Coordination in Aqueous Media. Chemistry - A European Journal, 2011, 17, 1410-1414.	3.3	118
13	Natural Tripeptide-Based Inhibitor of Multifaceted Amyloid β Toxicity. ACS Chemical Neuroscience, 2016, 7, 1300-1310.	3.5	108
14	Naphthaldehyde-Urea/Thiourea Conjugates as Turn-On Fluorescent Probes for Al ³⁺ Based on Restricted C=N Isomerization. European Journal of Inorganic Chemistry, 2011, 2011, 5479-5485.	2.0	107
15	Current progress, challenges and future prospects of diagnostic and therapeutic interventions in Alzheimer's disease. RSC Advances, 2018, 8, 23780-23804.	3.6	105
16	Covalent modification and exfoliation of graphene oxide using ferrocene. Nanoscale, 2010, 2, 1762.	5.6	94
17	Nanoarchitectonics of Small Molecule and DNA for Ultrasensitive Detection of Mercury. ACS Applied Materials & Interfaces, 2016, 8, 30362-30371.	8.0	94
18	Amino Acid Derivatized Arylenediimides: A Versatile Modular Approach for Functional Molecular Materials. Advanced Materials, 2012, 24, 3905-3922.	21.0	93

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19	Stimuli-responsive colorimetric and NIR fluorescence combination probe for selective reporting of cellular hydrogen peroxide. <i>Chemical Science</i> , 2016, 7, 2832-2841.	7.4	93
20	Molecular Self-Assembly of Cyclic Dipeptide Derivatives and Their Applications. <i>ChemPlusChem</i> , 2017, 82, 88-106.	2.8	93
21	Biomolecules-derived biomaterials. <i>Biomaterials</i> , 2020, 230, 119633.	11.4	93
22	Architectonics: Design of Molecular Architecture for Functional Applications. <i>Accounts of Chemical Research</i> , 2018, 51, 414-426.	15.6	92
23	A High Affinity Red Fluorescence and Colorimetric Probe for Amyloid β Aggregates. <i>Scientific Reports</i> , 2016, 6, 23668.	3.3	90
24	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.	7.8	85
25	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.	13.7	85
26	A β plaque-selective NIR fluorescence probe to differentiate Alzheimer's disease from tauopathies. <i>Biosensors and Bioelectronics</i> , 2017, 98, 54-61.	10.1	83
27	Rationally Designed Peptidomimetic Modulators of A β Toxicity in Alzheimer's Disease. <i>Scientific Reports</i> , 2015, 5, 8139.	3.3	82
28	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.	2.8	81
29	Pigmented Silk Nanofibrous Composite for Skeletal Muscle Tissue Engineering. <i>Advanced Healthcare Materials</i> , 2016, 5, 1222-1232.	7.6	81
30	Nanoarchitectonics of biomolecular assemblies for functional applications. <i>Nanoscale</i> , 2014, 6, 13348-13369.	5.6	79
31	Melanin incorporated electroactive and antioxidant silk fibroin nanofibrous scaffolds for nerve tissue engineering. <i>Materials Science and Engineering C</i> , 2019, 94, 17-25.	7.3	76
32	A Supramolecular Gel from a Quadruple Zwitterion that Responds to Both Acid and Base. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12550-12554.	13.8	72
33	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.	8.0	69
34	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.	3.2	69
35	Engineering Molecular Organization of Naphthalenediimides: Large Nanosheets with Metallic Conductivity and Attoliter Containers. <i>Advanced Functional Materials</i> , 2011, 21, 3875-3882.	14.9	67
36	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.	14.5	66

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37	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.	3.6	64
38	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.	8.0	64
39	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.	3.3	63
40	Antioxidant Berberine-Derivative Inhibits Multifaceted Amyloid Toxicity. <i>IScience</i> , 2020, 23, 101005.	4.1	63
41	Solvent-Induced Helical Assembly and Reversible Chiroptical Switching of Chiral Cyclic-Dipeptide-Functionalized Naphthalenediimides. <i>Chemistry - A European Journal</i> , 2013, 19, 16615-16624.	3.3	61
42	Peptide-modulated self-assembly as a versatile strategy for tumor supramolecular nanotheranostics. <i>Theranostics</i> , 2019, 9, 3249-3261.	10.0	60
43	Hydrogen bond directed self-assembly of cyclic dipeptide derivatives: gelation and ordered hierarchical architectures. <i>RSC Advances</i> , 2012, 2, 5539.	3.6	58
44	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.	13.7	57
45	A bio-inspired design strategy: Organization of tryptophan-appended naphthalenediimide into well-defined architectures induced by molecular interactions. <i>Nanoscale</i> , 2011, 3, 2536.	5.6	56
46	Hybrid Multifunctional Modulators Inhibit Multifaceted $A\beta^2$ Toxicity and Prevent Mitochondrial Damage. <i>ACS Chemical Neuroscience</i> , 2018, 9, 1432-1440.	3.5	53
47	Reaction-based probes for Co(ii) and Cu(i) with dual output modes: fluorescence live cell imaging. <i>RSC Advances</i> , 2013, 3, 16788.	3.6	51
48	(SR/RS)-Cyclohexanyl PNAs: A Conformationally Preorganized PNA Analogues with Unprecedented Preference for Duplex Formation with RNA. <i>Journal of the American Chemical Society</i> , 2005, 127, 4144-4145.	13.7	49
49	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.	3.3	49
50	Spontaneous self-assembly of designed cyclic dipeptide (Phg-Phg) into two-dimensional nano- and mesosheets. <i>Supramolecular Chemistry</i> , 2011, 23, 487-492.	1.2	46
51	Self-Cleaning Functional Molecular Materials. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10324-10328.	13.8	46
52	Crystallographic insight-guided nanoarchitectonics and conductivity modulation of an n-type organic semiconductor through peptide conjugation. <i>Chemical Communications</i> , 2015, 51, 8315-8318.	4.1	46
53	A red-NIR emissive probe for the selective detection of albumin in urine samples and live cells. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 1584-1588.	2.8	46
54	(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.	4.6	45

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55	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.	3.6	45
56	Reversible fluorescence sensing of Zn ²⁺ based on pyridine-constrained bis (triazole-linked hydroxyquinoline) sensor. <i>Supramolecular Chemistry</i> , 2011, 23, 703-709.	1.2	44
57	Molecular Architectonics of Naphthalenediimides for Efficient Structure-Property Correlation. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8678-8685.	8.0	44
58	Small Molecule Inhibits Metal-Dependent and -Independent Multifaceted Toxicity of Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2019, 10, 3611-3621.	3.5	43
59	Surface immobilization of biomolecules by click sulfonamide reaction. <i>Chemical Communications</i> , 2008, , 3723.	4.1	42
60	Role of Post-translational Modifications in Alzheimer's Disease. <i>ChemBioChem</i> , 2020, 21, 1052-1079.	2.6	42
61	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.	3.2	39
62	Unambiguous Detection of Elevated Levels of Hypochlorous Acid in Double Transgenic AD Mouse Brain. <i>ACS Chemical Neuroscience</i> , 2019, 10, 4847-4853.	3.5	38
63	Rhodamine based bright red colourimetric and turn-on fluorescence chemosensor for selective detection of Cu ²⁺ . <i>Materials Technology</i> , 2011, 26, 168-172.	3.0	36
64	Bioinspired Reductionistic Peptide Engineering for Exceptional Mechanical Properties. <i>Scientific Reports</i> , 2015, 5, 16070.	3.3	36
65	Cyclic Dipeptide-Based Ambidextrous Supergelators: Minimalistic Rational Design, Structure-Gelation Studies, and In Situ Hydrogelation. <i>Biomacromolecules</i> , 2017, 18, 3581-3590.	5.4	36
66	Molecular Architectonics-Guided Fabrication of Superhydrophobic and Self-Cleaning Materials. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000246.	3.7	35
67	Cyclic Dipeptide: A Privileged Molecular Scaffold to Derive Structural Diversity and Functional Utility. <i>ChemMedChem</i> , 2021, 16, 2558-2587.	3.2	35
68	Dibromohydantoin: A Convenient Brominating Reagent for 1,4,5,8-Naphthalenetetracarboxylic Dianhydride. <i>Asian Journal of Organic Chemistry</i> , 2013, 2, 779-785.	2.7	33
69	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.	3.2	31
70	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.	1.2	31
71	Green-fluorescent naphthalene diimide: conducting layered hierarchical 2D nanosheets and reversible probe for detection of aromatic solvents. <i>RSC Advances</i> , 2013, 3, 11459.	3.6	31
72	A switch-on near-infrared fluorescence-ready probe for Cu(I): live cell imaging. <i>Supramolecular Chemistry</i> , 2015, 27, 589-594.	1.2	31

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73	Cyclohexanyl Peptide Nucleic Acids (chPNAs) for Preferential RNA Binding: Effective Tuning of Dihedral Angle $\hat{\tau}^2$ in PNAs for DNA/RNA Discrimination. <i>Journal of Organic Chemistry</i> , 2006, 71, 14-21.	3.2	29
74	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.	3.7	29
75	Engineering molecular self-assembly of perylene diimide through pH-responsive chiroptical switching. <i>Molecular Systems Design and Engineering</i> , 2016, 1, 202-207.	3.4	29
76	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.	3.2	29
77	Molecular architectonics of DNA for functional nanoarchitectures. <i>Beilstein Journal of Nanotechnology</i> , 2020, 11, 124-140.	2.8	28
78	Backbone-extended pyrrolidine peptide nucleic acids (bepPNA): design, synthesis and DNA/RNA binding studies. <i>Chemical Communications</i> , 2005, , 495.	4.1	26
79	Bicomponent $\hat{\tau}^2$ -sheet assembly of dipeptide fluorophores of opposite polarity and sensitive detection of nitro-explosives. <i>Chemical Communications</i> , 2018, 54, 2280-2283.	4.1	26
80	Injectable Silk Fibroin-Based Hydrogel for Sustained Insulin Delivery in Diabetic Rats. <i>ACS Applied Bio Materials</i> , 2020, 3, 3544-3552.	4.6	26
81	(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.	3.2	25
82	Molecular Architectonics of Stereochemically Constrained Complementary Functional Modules. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 5838-5847.	2.4	25
83	A molecular beacon-based DNA switch for reversible pH sensing in vesicles and live cells. <i>Chemical Communications</i> , 2016, 52, 8741-8744.	4.1	25
84	Cyclic dipeptide based cell-penetrating peptidomimetics for effective DNA delivery. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 3170-3174.	2.8	25
85	Dendrimer Architectonics to Treat Cancer and Neurodegenerative Diseases with Implications in Theranostics and Personalized Medicine. <i>ACS Applied Bio Materials</i> , 2021, 4, 1115-1139.	4.6	25
86	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.	4.1	23
87	Exploring hydrogen bonding and weak aromatic interactions induced assembly of adenine and thymine functionalised naphthalenediimides. <i>New Journal of Chemistry</i> , 2013, 37, 1302.	2.8	23
88	Synthesis of Hybrid Cyclic Peptoids and Identification of Autophagy Enhancer. <i>ChemPlusChem</i> , 2014, 79, 25-30.	2.8	22
89	Imidazolyl-Naphthalenediimide-Based Threading Intercalators of DNA. <i>ChemBioChem</i> , 2016, 17, 2162-2171.	2.6	22
90	Backbone extended pyrrolidine PNA (bepPNA): a chiral PNA for selective RNA recognition. <i>Tetrahedron</i> , 2006, 62, 2321-2330.	1.9	21

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91	Mechanistic Insights for Drug Repurposing and the Design of Hybrid Drugs for Alzheimer's Disease. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 7088-7105.	6.4	21
92	Dopa and dopamine conjugated naphthalenediimides modulate amyloid β^2 toxicity. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 7682-7692.	2.8	20
93	Emergent Behaviors in Kinetically Controlled Dynamic Self-Assembly of Synthetic Molecular Systems. <i>ACS Omega</i> , 2016, 1, 378-387.	3.5	19
94	Radical-Scavenging Antioxidant Cyclic Dipeptides and Silk Fibroin Biomaterials. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 4363-4369.	2.4	19
95	A Highly Selective Reaction-Based Two-Photon Probe for Copper(I) in Aqueous Media. <i>ChemPlusChem</i> , 2013, 78, 785-788.	2.8	18
96	Double zipper helical assembly of deoxyoligonucleotides: mutual templating and chiral imprinting to form hybrid DNA ensembles. <i>Chemical Communications</i> , 2015, 51, 5493-5496.	4.1	18
97	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.	3.2	18
98	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.	4.6	17
99	An effective and regioselective bromination of 1,4,5,8-naphthalenetetracarboxylic dianhydride using tribromoisocyanuric acid. <i>Tetrahedron Letters</i> , 2013, 54, 6314-6318.	1.4	13
100	Recognition of G-quadruplex topology through hybrid binding with implications in cancer theranostics. <i>Theranostics</i> , 2020, 10, 10394-10414.	10.0	13
101	Amyloid- β^2 -Derived Peptidomimetics Inhibits Tau Aggregation. <i>ACS Omega</i> , 2021, 6, 11131-11138.	3.5	13
102	Combating amyloid-induced cellular toxicity and stiffness by designer peptidomimetics. <i>RSC Chemical Biology</i> , 2022, 3, 220-226.	4.1	13
103	Nucleic Acid Architectonics for pH-Responsive DNA Systems and Devices. <i>ACS Omega</i> , 2022, 7, 3167-3176.	3.5	13
104	Polyampholyte-Based Synthetic Chaperone Modulate Amyloid Aggregation and Lithium Delivery. <i>ACS Chemical Neuroscience</i> , 2020, 11, 2812-2826.	3.5	11
105	Molecular Architectonics of Cyclic Dipeptide Amphiphiles and Their Application in Drug Delivery. <i>ACS Applied Bio Materials</i> , 2020, 3, 3413-3422.	4.6	11
106	Reliable Fluorometric Detection of SARS-CoV-2 by Targeting the G-Quadruplex through pH-Triggered Conformational Polymorphism. <i>ACS Sensors</i> , 2022, 7, 453-459.	7.8	11
107	Fluorescence reporting of G-quadruplex structures and modulating their DNAzyme activity using polyethylenimine-pyrene conjugate. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 2395-2400.	2.2	10
108	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.	4.6	10

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109	A matrix targeted fluorescent probe to monitor mitochondrial dynamics. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 801-808.	2.8	10
110	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.	7.8	10
111	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.	2.2	9
112	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.	8.0	8
113	Molecular Architectonics-Guided Design of Biomaterials. <i>Chemistry - an Asian Journal</i> , 2021, 16, 423-442.	3.3	8
114	Thiophene-Based Dual Modulators of $A\beta$ and Tau Aggregation. <i>ChemBioChem</i> , 2021, 22, 3348-3357.	2.6	8
115	Targeting Oncogene Promoters and Ribosomal RNA Biogenesis by G-Quadruplex Binding Ligands Translate to Anticancer Activity. <i>ACS Bio & Med Chem Au</i> , 2022, 2, 125-139.	3.7	8
116	Rationally Designed Molecules Synergistically Modulate Multifaceted $A\beta$ Toxicity, Microglial Activation, and Neuroinflammation. <i>ACS Chemical Neuroscience</i> , 2022, 13, 2209-2221.	3.5	8
117	Multifunctional molecules with a bipyridyl core ameliorate multifaceted amyloid toxicity. <i>Chemical Communications</i> , 2022, 58, 6288-6291.	4.1	7
118	Mitochondria-Specific Recognition of G-Quadruplexes by a Flavylum-Based Turn-On Near-Infrared Rotor Probe. <i>Analysis & Sensing</i> , 2021, 1, 180-187.	2.0	6
119	DNA-Based Nanoswitches and Devices. , 2019, , 365-408.		6
120	Co-solvent polarity tuned thermochromic nanotubes of cyclic dipeptide-polydiacetylene supramolecular system. <i>RSC Advances</i> , 2020, 10, 35389-35396.	3.6	5
121	Dual DNA binding mode of a turn-on red fluorescent probe thiazole coumarin. <i>PLoS ONE</i> , 2020, 15, e0239145.	2.5	5
122	DNA Minor Groove-Induced <i>cis</i> - <i>trans</i> Isomerization of a Near-Infrared Fluorescent Probe. <i>Biochemistry</i> , 2021, 60, 2084-2097.	2.5	5
123	Functional Molecule-Templated DNA Nanoarchitectures. , 2019, , 69-106.		5
124	Mercury mediated DNA-Au/Ag nanocluster ensembles to generate a gray code encoder for biocomputing. <i>Materials Horizons</i> , 0, , .	12.2	5
125	Molecular-Architectonics-Guided Dynamic Assembly to Generate Fluorescent Organic Nanoclusters with Implications for Optical Imaging. <i>ACS Applied Nano Materials</i> , 2021, 4, 979-984.	5.0	4
126	Benzothiazole-Phenothiazine Conjugate Based Molecular Probe for the Differential Detection of Glycated Albumin. <i>Israel Journal of Chemistry</i> , 2021, 61, 222-230.	2.3	4

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127	Differential copper-guided architectures of amyloid β peptidomimetics modulate oxidation states and catalysis. <i>Nanoscale Advances</i> , 2022, 4, 2196-2200.	4.6	4
128	Conformational heterogeneity in tails of DNA-binding proteins is augmented by proline containing repeats. <i>Molecular BioSystems</i> , 2017, 13, 2531-2544.	2.9	3
129	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.	3.4	3
130	Identification of Multicolor Fluorescent Probes for Heterogeneous $A\beta$ Deposits in Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 802614.	3.4	3
131	Covalent crosslinking of carbon nanostructures. <i>Journal of Chemical Sciences</i> , 2012, 124, 551-556.	1.5	2
132	Stimuli-responsive Material Inspired Drug Delivery Systems and Devices. <i>Biomaterials Science Series</i> , 2018, , 317-334.	0.2	2
133	Molecular Architectonics Guide to the Fabrication of Self-Cleaning Materials. <i>Nanostructure Science and Technology</i> , 2022, , 71-88.	0.1	1
134	Molecular Architectonics. <i>Nanostructure Science and Technology</i> , 2022, , 3-34.	0.1	1
135	Development of Biomolecule Integrated Materials and their Biological Applications. , 2019, , 173-198.		1
136	Chapter 11. Transmission of Pathogenic Proteins and the Role of Microbial Infection in Alzheimer's Disease Pathology. , 2022, , 329-353.		1
137	Chapter 9. Post-translational Modifications and Alzheimer's Disease. , 2022, , 255-286.		1
138	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.	14.9	0
139	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.	3.3	0
140	Dihydrophthalazinediones accelerate amyloid β peptide aggregation to nontoxic species. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	1.7	0
141	Functional Molecule-Templated DNA Molecular Architectonics. <i>Nanostructure Science and Technology</i> , 2022, , 281-305.	0.1	0