

Ana Mara Costero

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174
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188
ext. papers

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ext. citations

5.1
avg, IF

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L-index

#	Paper	IF	Citations
174	Optical chemosensors and reagents to detect explosives. <i>Chemical Society Reviews</i> , 2012 , 41, 1261-96	58.5	883
173	A new selective fluorogenic probe for trivalent cations. <i>Chemical Communications</i> , 2012 , 48, 3000-2	5.8	221
172	Chromogenic and fluorogenic reagents for chemical warfare nerve agents' detection. <i>Chemical Communications</i> , 2007 , 4839-47	5.8	163
171	Targeted cargo delivery in senescent cells using capped mesoporous silica nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 10556-60	16.4	97
170	Chromogenic detection of nerve agent mimics. <i>Chemical Communications</i> , 2008 , 6002-4	5.8	85
169	Highly selective detection of nerve-agent simulants with BODIPY dyes. <i>Chemistry - A European Journal</i> , 2014 , 20, 6339-47	4.8	65
168	Surfactant-assisted chromogenic sensing of cyanide in water. <i>New Journal of Chemistry</i> , 2009 , 33, 1641	3.6	63
167	Chromogenic, specific detection of the nerve-agent mimic DCNP (a tabun mimic). <i>Chemistry - A European Journal</i> , 2011 , 17, 6931-4	4.8	62
166	Biphenyl macrolactams in anion complexation. Selective naked-eye fluoride recognition. <i>Tetrahedron</i> , 2004 , 60, 9471-9478	2.4	59
165	Selective and sensitive chromogenic detection of cyanide and HCN in solution and in gas phase. <i>Chemical Communications</i> , 2013 , 49, 5669-71	5.8	58
164	A molecular probe for the highly selective chromogenic detection of DFP, a mimic of Sarin and Soman nerve agents. <i>Chemistry - A European Journal</i> , 2011 , 17, 11994-7	4.8	57
163	Synthesis of chiral 18-crown-6 ethers containing lipophilic chains and their enantiomeric recognition of chiral ammonium picrates. <i>Tetrahedron: Asymmetry</i> , 2005 , 16, 2673-2679		55
162	Chromogenic Detection of Aqueous Formaldehyde Using Functionalized Silica Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 14318-22	9.5	46
161	Discrimination of nerve gases mimics and other organophosphorous derivatives in gas phase using a colorimetric probe array. <i>Chemical Communications</i> , 2012 , 48, 10105-7	5.8	45
160	Fluorogenic detection of Tetryl and TNT explosives using nanoscopic-capped mesoporous hybrid materials. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 3561	13	44
159	Hg ²⁺ and Cu ²⁺ selective detection using a dual channel receptor based on thiopyrylium scaffoldings. <i>Tetrahedron Letters</i> , 2009 , 50, 3885-3888	2	43
158	Chromogenic detection of nerve agent mimics by mass transport control at the surface of bifunctionalized silica nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 5945-8	16.4	43

157	Chromo-fluorogenic detection of nerve-agent mimics using triggered cyclization reactions in push-pull dyes. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 1573-85	4.5	42
156	Fluorescent sensing of maleate versus fumarate by a neutral cyclohexane based thiourea receptor. <i>Chemical Communications</i> , 2006 , 761-3	5.8	42
155	Design of enzyme-mediated controlled release systems based on silica mesoporous supports capped with ester-glycol groups. <i>Langmuir</i> , 2012 , 28, 14766-76	4	41
154	Chromo-fluorogenic BODIPY-complexes for selective detection of V-type nerve agent surrogates. <i>Chemical Communications</i> , 2014 , 50, 13289-91	5.8	40
153	A new phenanthrene-based bis-oxime chemosensor for Fe(III) and Cr(III) discrimination. <i>Tetrahedron</i> , 2012 , 68, 4882-4887	2.4	39
152	Selective opening of nanoscopic capped mesoporous inorganic materials with nerve agent simulants; an application to design chromo-fluorogenic probes. <i>Chemical Communications</i> , 2011 , 47, 8313-5	5.8	38
151	Conformationally regulated fluorescent sensors. Study of the selectivity in Zn ²⁺ versus Cd ²⁺ sensing. <i>Tetrahedron</i> , 2004 , 60, 6327-6334	2.4	38
150	Enzyme-responsive silica mesoporous supports capped with azopyridinium salts for controlled delivery applications. <i>Chemistry - A European Journal</i> , 2013 , 19, 1346-56	4.8	35
149	A Rapid and Sensitive Strip-Based Quick Test for Nerve Agents Tabun, Sarin, and Soman Using BODIPY-Modified Silica Materials. <i>Chemistry - A European Journal</i> , 2016 , 22, 11138-42	4.8	34
148	Halogen-containing BODIPY derivatives for photodynamic therapy. <i>Dyes and Pigments</i> , 2019 , 160, 198-207	2.76	34
147	Selective Detection of Nerve Agent Simulants by Using Triarylmethanol-Based Chromogenic Chemodosimeters. <i>European Journal of Organic Chemistry</i> , 2012 , 2012, 4937-4946	3.2	34
146	Highly Selective Fluorescence Detection of Hydrogen Sulfide by Using an Anthracene-Functionalized Cyclam-Cu(II) Complex. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 41-45	2.3	33
145	Amidase-responsive controlled release of antitumoral drug into intracellular media using gluconamide-capped mesoporous silica nanoparticles. <i>Nanoscale</i> , 2012 , 4, 7237-45	7.7	33
144	4,4'-Bis(dimethylamino)biphenyl containing binding sites. A new fluorescent subunit for cation sensing. <i>Dalton Transactions RSC</i> , 2002 , 1769-1775		33
143	Allosteric cooperativity and transport: studies in a circulating system. <i>Journal of the American Chemical Society</i> , 1988 , 110, 7140-7143	16.4	33
142	Selective and sensitive colorimetric detection of the neurotransmitter serotonin based on the aggregation of bifunctionalised gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2018 , 258, 829-835	8.5	33
141	Selective chromo-fluorogenic detection of DFP (a Sarin and Soman mimic) and DCNP (a Tabun mimic) with a unique probe based on a boron dipyrromethene (BODIPY) dye. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 8745-51	3.9	32
140	Neutral 1,3-diindolylureas for nerve agent remediation. <i>Chemistry - A European Journal</i> , 2013 , 19, 1586-90	4.8	32

- 139 Smart gated magnetic silica mesoporous particles for targeted colon drug delivery: New approaches for inflammatory bowel diseases treatment. *Journal of Controlled Release*, **2018**, 281, 58-69 11.7 31
- 138 Determination of the chemical warfare agents Sarin, Soman and Tabun in natural waters employing fluorescent hybrid silica materials. *Sensors and Actuators B: Chemical*, **2017**, 246, 1056-1065 8.5 30
- 137 Off-on BODIPY-based chemosensors for selective detection of Al³⁺ and Cr³⁺ versus Fe³⁺ in aqueous media. *RSC Advances*, **2014**, 4, 8962-8965 3.7 28
- 136 BODIPY dyes functionalized with 2-(2-dimethylaminophenyl)ethanol moieties as selective OFF-ON fluorescent chemodosimeters for the nerve agent mimics DCNP and DFP. *RSC Advances*, **2014**, 4, 15975-15982 3.7 27
- 135 Pericyclic reactions of free cyclopentadienone. *Journal of the American Chemical Society*, **1981**, 103, 1797-1798 16.4 27
- 134 Selective colorimetric NO(g) detection based on the use of modified gold nanoparticles using click chemistry. *Chemical Communications*, **2015**, 51, 3077-9 5.8 25
- 133 Multi-channel receptors based on thiopyrylium functionalised with macrocyclic receptors for the recognition of transition metal cations and anions. *Dalton Transactions*, **2010**, 39, 3449-59 4.3 25
- 132 Molecular recognition: Watson-Crick, Hoogsteen, and bifurcated hydrogen bonding in a model for adenine recognition. *Journal of the American Chemical Society*, **1987**, 109, 6866-6867 16.4 25
- 131 Convergent functional groups: catalysis of hemiacetal cleavage in a synthetic molecular cleft. *Journal of the American Chemical Society*, **1988**, 110, 983-984 16.4 25
- 130 Targeting inflammasome by the inhibition of caspase-1 activity using capped mesoporous silica nanoparticles. *Journal of Controlled Release*, **2017**, 248, 60-70 11.7 24
- 129 Binding and Fluorescent Sensing of Dicarboxylates by a Bis(calix[4]pyrrole)-Substituted BODIPY Dye. *European Journal of Organic Chemistry*, **2013**, 2013, 1515-1520 3.2 24
- 128 A Chromogenic Probe for the Selective Recognition of Sarin and Soman Mimic DFP. *ChemistryOpen*, **2014**, 3, 142-5 2.3 23
- 127 Chiral cyclohexane based fluorescent chemosensors for enantiomeric discrimination of aspartate. *Tetrahedron*, **2008**, 64, 3217-3224 2.4 23
- 126 Poly(amine) biphenyl derivatives as fluorescent sensors for anions and cations. *Journal of Materials Chemistry*, **2005**, 15, 2848 2.4 23
- 125 A Colorimetric Probe for the Selective Detection of Norepinephrine Based on a Double Molecular Recognition with Functionalized Gold Nanoparticles. *ACS Applied Nano Materials*, **2019**, 2, 1367-1373 5.6 22
- 124 Boolean operations mediated by an ion-pair receptor of a multi-readout molecular logic gate. *Chemical Communications*, **2013**, 49, 11056-8 5.8 22
- 123 N-Biphenyl thioureas as carboxylate receptors. Effect of the ligand substituents on the geometry of the complexes. *Tetrahedron*, **2006**, 62, 8571-8577 2.4 21
- 122 Bis(crown ethers) derived from biphenyl: extraction and electrochemical properties. *Tetrahedron*, **2004**, 60, 4683-4691 2.4 21

121	A new chromo-fluorogenic probe based on BODIPY for NO ₂ detection in air. <i>Chemical Communications</i> , 2015 , 51, 1725-7	5.8	20
120	Synthesis of a New Allosteric Carrier Containing Three Conformationally Related Subunits. <i>Journal of Organic Chemistry</i> , 1994 , 59, 2939-2944	4.2	20
119	Influence of negative allosteric cooperativity in cation transport.. <i>Tetrahedron Letters</i> , 1992 , 33, 623-626		20
118	Ratiometric double channel borondipyrromethene based chemodosimeter for the selective detection of nerve agent mimics. <i>Dyes and Pigments</i> , 2014 , 108, 76-83	4.6	19
117	Arynic species; effect of substituents on the reactivity of monosubstituted dehydrobenzenes. <i>Tetrahedron</i> , 1986 , 42, 155-166	2.4	19
116	Selective chromo-fluorogenic detection of trivalent cations in aqueous environments using a dehydration reaction. <i>New Journal of Chemistry</i> , 2016 , 40, 9042-9045	3.6	19
115	Acetylcholinesterase-Capped Mesoporous Silica Nanoparticles That Open in the Presence of Diisopropylfluorophosphate (a Sarin or Soman Simulant). <i>Organic Letters</i> , 2016 , 18, 5548-5551	6.2	18
114	Highly selective and sensitive chromo-fluorogenic detection of the Tetryl explosive using functional silica nanoparticles. <i>Chemical Communications</i> , 2011 , 47, 11885-7	5.8	18
113	Convergent functional groups. 5. Ternary complexes in the molecular recognition of .beta.-arylethylamines. <i>Journal of the American Chemical Society</i> , 1988 , 110, 923-927	16.4	18
112	2-Aza-2,4-cyclopentadienone. Existence and reactivity. <i>Journal of the American Chemical Society</i> , 1988 , 110, 4017-4018	16.4	18
111	Reactivity of free cyclopentadienone in cycloaddition reactions. <i>Journal of the American Chemical Society</i> , 1984 , 106, 2077-2080	16.4	18
110	Colorimetric detection of normetanephrine, a pheochromocytoma biomarker, using bifunctionalised gold nanoparticles. <i>Analytica Chimica Acta</i> , 2019 , 1056, 146-152	6.6	18
109	Microwave-Assisted Synthesis of Covalent Organic Frameworks: A Review. <i>ChemSusChem</i> , 2021 , 14, 2088-2133	2.3	18
108	Functionalized Gold Nanoparticles as an Approach to the Direct Colorimetric Detection of DCNP Nerve Agent Simulant. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 4770-4779	3.2	17
107	A new fluorescent turn-on chemodosimeter for the detection of hydrogen sulfide in water and living cells. <i>RSC Advances</i> , 2013 , 3, 25690	3.7	17
106	Bis-cyclohexyl-crown-ethers as allosteric carriers. <i>Tetrahedron</i> , 1992 , 48, 6265-6272	2.4	17
105	A New Environmentally-Friendly Colorimetric Probe for Formaldehyde Gas Detection under Real Conditions. <i>Molecules</i> , 2018 , 23,	4.8	17
104	A Chemosensor Bearing Sulfonyl Azide Moieties for Selective Chromo-Fluorogenic Hydrogen Sulfide Recognition in Aqueous Media and in Living Cells. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 1848-1854	3.2	16

103	Detection and discrimination of organophosphorus pesticides in water by using a colorimetric probe array. <i>Sensors and Actuators B: Chemical</i> , 2014 , 202, 727-731	8.5	16
102	A Boron Dipyrromethene (BODIPY)-Based Cu(II) -Bipyridine Complex for Highly Selective NO Detection. <i>Chemistry - A European Journal</i> , 2015 , 21, 15486-90	4.8	16
101	Nerve agent simulant detection by using chromogenic triaryl methane cation probes. <i>Tetrahedron</i> , 2012 , 68, 8612-8616	2.4	16
100	Fluorescent chemosensors based on cyclohexane: selective sensing of succinate and malonate versus their longer or shorter homologues. <i>Tetrahedron</i> , 2008 , 64, 7252-7257	2.4	16
99	Allosteric behaviour of a bis-cyclic crown ether derived from biphenyl. <i>Tetrahedron</i> , 1996 , 52, 12499-12508	2.4	16
98	Azide and sulfonylazide functionalized fluorophores for the selective and sensitive detection of hydrogen sulfide. <i>Sensors and Actuators B: Chemical</i> , 2015 , 207, 987-994	8.5	15
97	Crown ethers derived from cyclohexane. Influence of their stereochemistry in complexation and transport. <i>Tetrahedron</i> , 2002 , 58, 6729-6734	2.4	15
96	Bis-cyclic crown ethers derived from biphenyl. Influence of conformation in complexation of Hg(SCN) ₂ . <i>Tetrahedron</i> , 1996 , 52, 669-676	2.4	15
95	Reactive annulenones: a comparative study. <i>Journal of Organic Chemistry</i> , 1990 , 55, 2060-2063	4.2	15
94	Reaction of 4-substituted 2-azetidinone with nucleophiles. Existence and reactivity of 1-azetin-4-one. <i>Journal of Organic Chemistry</i> , 1990 , 55, 434-437	4.2	15
93	Double Drug Delivery Using Capped Mesoporous Silica Microparticles for the Effective Treatment of Inflammatory Bowel Disease. <i>Molecular Pharmaceutics</i> , 2019 , 16, 2418-2429	5.6	14
92	Recent Progress of Microwave-Assisted Synthesis of Silica Materials. <i>Nanomaterials</i> , 2020 , 10,	5.4	14
91	Towards the potential use of (1)H NMR spectroscopy in urine samples for prostate cancer detection. <i>Analyst, The</i> , 2014 , 139, 3875-8	5	14
90	Enantioselective sensing of dicarboxylates. Influence of the stoichiometry of the complexes on the sensing mechanism. <i>Tetrahedron: Asymmetry</i> , 2009 , 20, 1468-1471		14
89	Synthesis, solution and electrochemical behaviour of new aza-crown ethers derived from biphenyl. <i>Dalton Transactions RSC</i> , 2000 , 361-367		14
88	Towards the design of organocatalysts for nerve agents remediation: The case of the active hydrolysis of DCNP (a Tabun mimic) catalyzed by simple amine-containing derivatives. <i>Journal of Hazardous Materials</i> , 2015 , 298, 73-82	12.8	13
87	Biphenylthioureas as organocatalysts for electrochemical reductions. <i>Tetrahedron Letters</i> , 2007 , 48, 6992-6995		13
86	Solid-liquid extraction of amino acids using ditopic receptors. <i>Tetrahedron</i> , 2008 , 64, 110-116	2.4	13

85	Cation and anion fluorescent and electrochemical sensors derived from 4,4'-substituted biphenyl. <i>Tetrahedron</i> , 2005 , 61, 10309-10320	2.4	13
84	Resorcinol Functionalized Gold Nanoparticles for Formaldehyde Colorimetric Detection. <i>Nanomaterials</i> , 2019 , 9,	5.4	12
83	A selective colorimetric chemodosimeter for the naked eye detection of benzoate anion. <i>Tetrahedron Letters</i> , 2006 , 47, 6561-6564	2	12
82	NO-controlled cargo delivery from gated silica mesoporous nanoparticles. <i>Chemical Communications</i> , 2017 , 53, 585-588	5.8	11
81	On the Ion-Pair Recognition and Indication Features of a Fluorescent Heteroditopic Host Based on a BODIPY Core. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 4005-4013	3.2	11
80	Relationship between ligand conformations and complexation properties in ditopic biphenyl thioureas. <i>Tetrahedron</i> , 2007 , 63, 7899-7905	2.4	11
79	4,4'-Substituted biphenyl coronands. Preparation of a new selective fluorescent sensor for mercury salts. <i>Tetrahedron</i> , 2006 , 62, 11972-11978	2.4	11
78	A Chalcone-Based Highly Selective and Sensitive Chromofluorogenic Probe for Trivalent Metal Cations. <i>ChemPlusChem</i> , 2015 , 80, 800-804	2.8	10
77	Synthesis and In Vitro Evaluation of a Photosensitizer-BODIPY Derivative for Potential Photodynamic Therapy Applications. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 2121-5	4.5	10
76	Aryl carbinols as nerve agent probes. Influence of the conjugation on the sensing properties. <i>New Journal of Chemistry</i> , 2012 , 36, 1485	3.6	10
75	Fluorescent Cyclohexyl-Based Chemosensors for Selective Sensing of TMA Malonate in DMSO/Water. <i>European Journal of Organic Chemistry</i> , 2009 , 2009, 3673-3677	3.2	10
74	Redox-active crown ethers derived from biphenyl. Electrochemical and spectroscopic study of binding processes with alkali, alkali-earth and mercury salts. <i>Tetrahedron</i> , 1998 , 54, 8159-8170	2.4	10
73	Aza and diazaannulenes. Influence of nitrogen position on their reactivity and stability. <i>Journal of Organic Chemistry</i> , 1991 , 56, 5417-5421	4.2	10
72	Self-Immolative Linkers as Caps for the Design of Gated Silica Mesoporous Supports. <i>Chemistry - A European Journal</i> , 2016 , 22, 14126-30	4.8	10
71	Triarylcarbinol functionalized gold nanoparticles for the colorimetric detection of nerve agent simulants. <i>Tetrahedron Letters</i> , 2014 , 55, 3093-3096	2	9
70	Inversion of selectivity in anion recognition with conformationally blocked calix[4]pyrroles. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 8445-51	3.9	9
69	Polyazapodands Derived from Biphenyl. Study of their Behaviour as Conformationally Regulated Fluorescent Sensors. <i>Supramolecular Chemistry</i> , 2004 , 16, 435-446	1.8	9
68	Macrolactones and crown ethers derived from biphenyl. Electronic and steric influence of substituents on its complexation ability. <i>Tetrahedron</i> , 1996 , 52, 3683-3692	2.4	9

67	Arynic species II. <i>Tetrahedron</i> , 1986 , 42, 5641-5648	2.4	9
66	1,1-Di-iodoalkenes from aldehydes and triphenylphosphine-carbon tetraiodide. <i>Journal of the Chemical Society Chemical Communications</i> , 1985 , 296-297		9
65	3-Formyl-BODIPY Phenylhydrazone as a Chromo-Fluorogenic Probe for Selective Detection of NO ₂ (g). <i>Chemistry - A European Journal</i> , 2016 , 22, 8448-51	4.8	9
64	2,4-dinitrophenyl ether-containing chemodosimeters for the selective and sensitive <i>in vitro</i> and <i>in vivo</i> detection of hydrogen sulfide. <i>Supramolecular Chemistry</i> , 2015 , 27, 244-254	1.8	8
63	Selective and Sensitive Chromogenic Detection of Trivalent Metal Cations in Water. <i>Bulletin of the Chemical Society of Japan</i> , 2016 , 89, 498-500	5.1	8
62	Functional Magnetic Mesoporous Silica Microparticles Capped with an Azo-Derivative: A Promising Colon Drug Delivery Device. <i>Molecules</i> , 2018 , 23,	4.8	8
61	3,3'-Disubstituted 2,2'-Bipyridines as Carboxylate Receptors: Conformational Regulation of the Bipyridine Moiety. <i>European Journal of Organic Chemistry</i> , 2008 , 2008, 1079-1084	3.2	8
60	Experimental evidence for the homochiral aggregation of ammonium salts in solution. <i>New Journal of Chemistry</i> , 2006 , 30, 1263-1266	3.6	8
59	Azacrownlactams Derived from Biphenyl. Study of Their Conformations, Complexation Ability and Electrochemical Behavior. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2003 , 45, 241-249		8
58	Synthesis of a New pH-Dependent Ligand: Conformational and Complexation Studies. <i>Supramolecular Chemistry</i> , 2003 , 15, 403-408	1.8	8
57	Redox-active aza-crown ethers derived from biphenyl. electrochemical and solution studies of complexation. <i>Tetrahedron</i> , 1999 , 55, 15141-15150	2.4	8
56	Reactivity of azaannulenes. <i>Journal of Organic Chemistry</i> , 1988 , 53, 6112-6113	4.2	8
55	Existence and reactivity of bicyclic annulenes. 4-Phenylbicyclo[3.3.0]octa-1(5),3,6-triene-2,8-dione. <i>Journal of Organic Chemistry</i> , 1984 , 49, 4616-4618	4.2	8
54	Concentration depending fluorescence of 8-(di-(2-picolyl))aminoBODIPY in solution. <i>Tetrahedron</i> , 2014 , 70, 3735-3739	2.4	7
53	A new simple chromo-fluorogenic probe for NO ₂ detection in air. <i>Chemistry - A European Journal</i> , 2015 , 21, 8720-2	4.8	7
52	Protection against chemical submission: naked-eye detection of γ -hydroxybutyric acid (GHB) in soft drinks and alcoholic beverages. <i>Chemical Communications</i> , 2020 , 56, 12600-12603	5.8	7
51	Hydrolysis of DCNP (a Tabun mimic) catalysed by mesoporous silica nanoparticles. <i>Microporous and Mesoporous Materials</i> , 2015 , 217, 30-38	5.3	6
50	Crystal Structure of 6,6'-dimethoxy-2,2'-diphenyl-19-crown-5 Hg(SCN) ₂ . <i>Crystal Research and Technology</i> , 1996 , 31, 37-42	1.3	6

49	The Chemistry of Unsaturated Nitrogen Heterocyclic Compounds Containing Carbonyl Groups. <i>Advances in Heterocyclic Chemistry</i> , 1993 , 58, 171-214	2.4	6
48	Existence and reactivity of bicyclic annulenones. 2. Bicyclo[3.3.0]octa-1(5),3,7-triene-2,6-dione. <i>Journal of Organic Chemistry</i> , 1987 , 52, 2997-2999	4.2	6
47	Thermogravimetric studies of polymeric reagents: a polymeric o-benzyne precursor. <i>Tetrahedron Letters</i> , 1982 , 23, 2403-2406	2	6
46	Efficacy of budesonide-loaded mesoporous silica microparticles capped with a bulky azo derivative in rats with TNBS-induced colitis. <i>International Journal of Pharmaceutics</i> , 2019 , 561, 93-101	6.5	6
45	Influence of side chain characteristics on the aggregation-induced emission (AIE) properties of tetrasubstituted tetraphenylethylene (TPE). <i>RSC Advances</i> , 2017 , 7, 14279-14282	3.7	5
44	Acetylcholine-responsive cargo release using acetylcholinesterase-capped nanomaterials. <i>Chemical Communications</i> , 2019 , 55, 5785-5788	5.8	5
43	Towards the fluorogenic detection of peroxide explosives through host-guest chemistry. <i>Royal Society Open Science</i> , 2018 , 5, 171787	3.3	5
42	Mesoporous silica microparticles gated with a bulky azo derivative for the controlled release of dyes/drugs in colon. <i>Royal Society Open Science</i> , 2018 , 5, 180873	3.3	5
41	Structure and Conformational Studies of Aza-Crown 8-Amino-BODIPY Derivatives: Influence of Steric Hindrance on Their Photophysical Properties. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 6283-6290	3.2	5
40	5,5'-Bis-vanillin derivatives as discriminating sensors for trivalent cations. <i>Tetrahedron Letters</i> , 2015 , 56, 3988-3991	2	5
39	Biphenyl-type sensing system in proton-rich environment by fluorescence and quantum-chemical calculations. <i>Journal of Luminescence</i> , 2010 , 130, 1085-1091	3.8	5
38	Biphenyl Macrolactams as Colorimetric Sensors for Anions through Displacement Reactions. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2006 , 54, 61-66		5
37	Association constants of alkaline complexes of macrolactones and crown ethers derived from biphenyl. Influence of the position and characteristics of biphenyl substituents. <i>Tetrahedron</i> , 1994 , 50, 5381-5386	2.4	5
36	Evidence for the formation of 1,3- and 1,4-dehydrobenzenes in the thermal decomposition of diaryliodonium-carboxylates. <i>Tetrahedron Letters</i> , 1986 , 27, 4779-4782	2	5
35	Selective Recognition and Sensing of Succinate vs. Other Aliphatic Dicarboxylates by Thiourea-Functionalized Gold Nanoparticles. <i>ChemistrySelect</i> , 2016 , 1, 1057-1060	1.8	5
34	A nitric oxide induced "click" reaction to trigger the aggregation induced emission (AIE) phenomena of a tetraphenyl ethylene derivative: A new fluorescent probe for NO. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020 , 388, 112132	4.7	5
33	A L-glutamate-responsive delivery system based on enzyme-controlled self-immolative arylboronate-gated nanoparticles. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 1058-1063	5.2	4
32	Solvatochromic and Single Crystal Studies of Two Neutral Triarylmethane Dyes with a Quinone Methide Structure. <i>Molecules</i> , 2015 , 20, 20688-98	4.8	4

31	Bis-cyclic Crown Ether Derived from Biphenyl. Different Behaviour in Complexing Hg(SCN) ₂ and Hg(CN) ₂ . <i>Supramolecular Chemistry</i> , 1998 , 9, 211-219	1.8	4
30	Complexation of Dicarboxylates by 3,3'-bis(5-phenyl-1,4-dioxo-2,3,5-triaza)-2,2'-bipyridine. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2008 , 62, 203-207		3
29	pH-Dependent ligands as carriers in transport experiments. <i>Comptes Rendus Chimie</i> , 2004 , 7, 15-23	2.7	3
28	Magnetochemical modulation of pre-organization processes in a 4,4'-dinitrobiphenyl azacrown macrocyclic lactam. <i>Electrochemistry Communications</i> , 2004 , 6, 908-912	5.1	3
27	A Fluorescent Chemosensor Able to Distinguish between Ionic and Covalent Mercury Compounds. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2003 , 46, 121-124		3
26	Enhanced transport through binding cooperativity in a circulating system. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1991 , 1, 87-88	2.9	3
25	Generation of an unsaturated lactam intermediate from a polymeric precursor. <i>Reactive & Functional Polymers</i> , 1989 , 10, 207-209		3
24	Generation of monosubstituted o-benzynes from polymeric reagents via heterolytic fragmentations. <i>Tetrahedron Letters</i> , 1984 , 25, 779-782	2	3
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