

# Ana Mara Costero

## List of Publications by Year in Descending Order

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

174  
papers

4,239  
citations

33  
h-index

57  
g-index

188  
ext. papers

4,656  
ext. citations

5.1  
avg, IF

5.23  
L-index

#	Paper	IF	Citations
174	Spermine and Spermidine Detection through Restricted Intramolecular Rotations in a Tetraphenylethylene Derivative. <i>Chemosensors</i> , <b>2022</b> , 10, 8	4	0
173	Isomerization and Redox Tuning: Reorganizing the Maya Blue Puzzle from Synthetic, Spectral, and Electrochemical Issues. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 26188-26200	3.8	0
172	Bifunctionalized Gold Nanoparticles for the Colorimetric Detection of the Drug $\gamma$ -Hydroxybutyric Acid (GHB) in Beverages. <i>Chemosensors</i> , <b>2021</b> , 9, 160	4	0
171	Microwave-Assisted Synthesis of Covalent Organic Frameworks: A Review. <i>ChemSusChem</i> , <b>2021</b> , 14, 2088-2133	2.3	18
170	Heteroditopic chemosensor to detect $\gamma$ -hydroxybutyric acid (GHB) in soft drinks and alcoholic beverages. <i>Analyst</i> , <b>2021</b> , 146, 5601-5609	5	0
169	Peptide-Capped Mesoporous Nanoparticles: Toward a more Efficient Internalization of Alendronate. <i>ChemistrySelect</i> , <b>2020</b> , 5, 3618-3625	1.8	2
168	Recent Progress of Microwave-Assisted Synthesis of Silica Materials. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	14
167	Chemical and electrochemical behaviour of 4,4',4'',4'''-tetrakis(dimethylamino)-tetraphenylethylene in an oxidant environment: Toward a new sensor for NO <sub>2</sub> and SO <sub>2</sub> in gas phase. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 311, 127929	8.5	1
166	A Sensitive Nanosensor for the In Situ Detection of the Cannibal Drug. <i>ACS Sensors</i> , <b>2020</b> , 5, 2966-2972	9.2	1
165	Protection against chemical submission: naked-eye detection of $\gamma$ -hydroxybutyric acid (GHB) in soft drinks and alcoholic beverages. <i>Chemical Communications</i> , <b>2020</b> , 56, 12600-12603	5.8	7
164	A nitric oxide induced $\text{Click}$ 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> , <b>2020</b> , 388, 112132	4.7	5
163	Not always what closes best opens better: mesoporous nanoparticles capped with organic gates. <i>Science and Technology of Advanced Materials</i> , <b>2019</b> , 20, 699-709	7.1	1
162	Double Drug Delivery Using Capped Mesoporous Silica Microparticles for the Effective Treatment of Inflammatory Bowel Disease. <i>Molecular Pharmaceutics</i> , <b>2019</b> , 16, 2418-2429	5.6	14
161	Acetylcholine-responsive cargo release using acetylcholinesterase-capped nanomaterials. <i>Chemical Communications</i> , <b>2019</b> , 55, 5785-5788	5.8	5
160	A L-glutamate-responsive delivery system based on enzyme-controlled self-immolative arylboronate-gated nanoparticles. <i>Organic Chemistry Frontiers</i> , <b>2019</b> , 6, 1058-1063	5.2	4
159	Resorcinol Functionalized Gold Nanoparticles for Formaldehyde Colorimetric Detection. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	12
158	A Colorimetric Probe for the Selective Detection of Norepinephrine Based on a Double Molecular Recognition with Functionalized Gold Nanoparticles. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 1367-1373	5.6	22

157	Halogen-containing BODIPY derivatives for photodynamic therapy. <i>Dyes and Pigments</i> , <b>2019</b> , 160, 198-207	6.76	34
156	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> , <b>2019</b> , 561, 93-101	6.5	6
155	Colorimetric detection of normetanephrine, a pheochromocytoma biomarker, using bifunctionalised gold nanoparticles. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1056, 146-152	6.6	18
154	Towards the fluorogenic detection of peroxide explosives through host-guest chemistry. <i>Royal Society Open Science</i> , <b>2018</b> , 5, 171787	3.3	5
153	Functional Magnetic Mesoporous Silica Microparticles Capped with an Azo-Derivative: A Promising Colon Drug Delivery Device. <i>Molecules</i> , <b>2018</b> , 23,	4.8	8
152	Smart gated magnetic silica mesoporous particles for targeted colon drug delivery: New approaches for inflammatory bowel diseases treatment. <i>Journal of Controlled Release</i> , <b>2018</b> , 281, 58-69	11.7	31
151	Mesoporous silica microparticles gated with a bulky azo derivative for the controlled release of dyes/drugs in colon. <i>Royal Society Open Science</i> , <b>2018</b> , 5, 180873	3.3	5
150	A New Highly Selective Chromogenic and Fluorogenic Chemosensor for Copper (II). <i>Letters in Organic Chemistry</i> , <b>2018</b> , 15, 659-664	0.6	
149	Selective and sensitive colorimetric detection of the neurotransmitter serotonin based on the aggregation of bifunctionalised gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 258, 829-835	8.5	33
148	A New Environmentally-Friendly Colorimetric Probe for Formaldehyde Gas Detection under Real Conditions. <i>Molecules</i> , <b>2018</b> , 23,	4.8	17
147	Targeting inflammasome by the inhibition of caspase-1 activity using capped mesoporous silica nanoparticles. <i>Journal of Controlled Release</i> , <b>2017</b> , 248, 60-70	11.7	24
146	Influence of side chain characteristics on the aggregation-induced emission (AIE) properties of tetrasubstituted tetraphenylethylene (TPE). <i>RSC Advances</i> , <b>2017</b> , 7, 14279-14282	3.7	5
145	Determination of the chemical warfare agents Sarin, Soman and Tabun in natural waters employing fluorescent hybrid silica materials. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 246, 1056-1065	8.5	30
144	NO-controlled cargo delivery from gated silica mesoporous nanoparticles. <i>Chemical Communications</i> , <b>2017</b> , 53, 585-588	5.8	11
143	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> , <b>2017</b> , 2017, 6283-6290	3.2	5
142	Selective and Sensitive Chromogenic Detection of Trivalent Metal Cations in Water. <i>Bulletin of the Chemical Society of Japan</i> , <b>2016</b> , 89, 498-500	5.1	8
141	Acetylcholinesterase-Capped Mesoporous Silica Nanoparticles That Open in the Presence of Diisopropylfluorophosphate (a Sarin or Soman Simulant). <i>Organic Letters</i> , <b>2016</b> , 18, 5548-5551	6.2	18
140	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> , <b>2016</b> , 22, 11138-42	4.8	34

139	Chromogenic Detection of Aqueous Formaldehyde Using Functionalized Silica Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 14318-22	9.5	46
138	Self-Immolative Linkers as Caps for the Design of Gated Silica Mesoporous Supports. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 14126-30	4.8	10
137	3-Formyl-BODIPY Phenylhydrazone as a Chromo-Fluorogenic Probe for Selective Detection of NO <sub>2</sub> (g). <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 8448-51	4.8	9
136	Biphenyl derivatives containing trimethylsilyl benzyl ether or oxime groups as probes for NO <sub>2</sub> detection. <i>RSC Advances</i> , <b>2016</b> , 6, 43719-43723	3.7	2
135	Selective chromo-fluorogenic detection of trivalent cations in aqueous environments using a dehydration reaction. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 9042-9045	3.6	19
134	Selective Recognition and Sensing of Succinate vs. Other Aliphatic Dicarboxylates by Thiourea-Functionalized Gold Nanoparticles. <i>ChemistrySelect</i> , <b>2016</b> , 1, 1057-1060	1.8	5
133	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> , <b>2015</b> , 27, 244-254	1.8	8
132	Selective colorimetric NO(g) detection based on the use of modified gold nanoparticles using click chemistry. <i>Chemical Communications</i> , <b>2015</b> , 51, 3077-9	5.8	25
131	A Chalcone-Based Highly Selective and Sensitive Chromofluorogenic Probe for Trivalent Metal Cations. <i>ChemPlusChem</i> , <b>2015</b> , 80, 800-804	2.8	10
130	Low-cost, portable open-source gas monitoring device based on chemosensory technology. <i>Measurement Science and Technology</i> , <b>2015</b> , 26, 085103	2	1
129	Hydrolysis of DCNP (a Tabun mimic) catalysed by mesoporous silica nanoparticles. <i>Microporous and Mesoporous Materials</i> , <b>2015</b> , 217, 30-38	5.3	6
128	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> , <b>2015</b> , 298, 73-82	12.8	13
127	Synthesis and In Vitro Evaluation of a Photosensitizer-BODIPY Derivative for Potential Photodynamic Therapy Applications. <i>Chemistry - an Asian Journal</i> , <b>2015</b> , 10, 2121-5	4.5	10
126	Azide and sulfonylazide functionalized fluorophores for the selective and sensitive detection of hydrogen sulfide. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 207, 987-994	8.5	15
125	A new chromo-fluorogenic probe based on BODIPY for NO <sub>2</sub> detection in air. <i>Chemical Communications</i> , <b>2015</b> , 51, 1725-7	5.8	20
124	A Boron Dipyrromethene (BODIPY)-Based Cu(II) -Bipyridine Complex for Highly Selective NO Detection. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 15486-90	4.8	16
123	A Simple System Based on a Thiourea-Modified Fluorescein for $\alpha$ -Amino Acid Discrimination. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 6597-6601	3.2	1
122	A new simple chromo-fluorogenic probe for NO <sub>2</sub> detection in air. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 8720-2	4.8	7

121	Solvatochromic and Single Crystal Studies of Two Neutral Triarylmethane Dyes with a Quinone Methide Structure. <i>Molecules</i> , <b>2015</b> , 20, 20688-98	4.8	4
120	5,5'-Bis-vanillin derivatives as discriminating sensors for trivalent cations. <i>Tetrahedron Letters</i> , <b>2015</b> , 56, 3988-3991	2	5
119	Racemic Triarylmethanol Derivative Crystallizes as a Chiral Crystal Structure with Enantiomeric Disorder, in the Sohncke Space Group P21. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 3452-3456	3.5	2
118	Offen BODIPY-based chemosensors for selective detection of Al <sup>3+</sup> and Cr <sup>3+</sup> versus Fe <sup>3+</sup> in aqueous media. <i>RSC Advances</i> , <b>2014</b> , 4, 8962-8965	3.7	28
117	Triarylcarbinol functionalized gold nanoparticles for the colorimetric detection of nerve agent simulants. <i>Tetrahedron Letters</i> , <b>2014</b> , 55, 3093-3096	2	9
116	Concentration depending fluorescence of 8-(di-(2-picolyl)amino)BODIPY in solution. <i>Tetrahedron</i> , <b>2014</b> , 70, 3735-3739	2.4	7
115	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> , <b>2014</b> , 2014, 1848-1854	3.2	16
114	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> , <b>2014</b> , 2014, 4005-4013	3.2	11
113	Ratiometric double channel borondipyrromethene based chemodosimeter for the selective detection of nerve agent mimics. <i>Dyes and Pigments</i> , <b>2014</b> , 108, 76-83	4.6	19
112	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> , <b>2014</b> , 12, 8745-51	3.9	32
111	Chromo-fluorogenic BODIPY-complexes for selective detection of V-type nerve agent surrogates. <i>Chemical Communications</i> , <b>2014</b> , 50, 13289-91	5.8	40
110	Towards the potential use of (1)H NMR spectroscopy in urine samples for prostate cancer detection. <i>Analyst</i> , <b>2014</b> , 139, 3875-8	5	14
109	BODIPY dyes functionalized with 2-(2-dimethylaminophenyl)ethanol moieties as selective OFFON fluorescent chemodosimeters for the nerve agent mimics DCNP and DFP. <i>RSC Advances</i> , <b>2014</b> , 4, 15975-15982	3.7	27
108	Detection and discrimination of organophosphorus pesticides in water by using a colorimetric probe array. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 202, 727-731	8.5	16
107	Highly Selective Fluorescence Detection of Hydrogen Sulfide by Using an Anthracene-Functionalized Cyclam-Cu(II) Complex. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 41-45	2.3	33
106	A Chromogenic Probe for the Selective Recognition of Sarin and Soman Mimic DFP. <i>ChemistryOpen</i> , <b>2014</b> , 3, 142-5	2.3	23
105	Highly selective detection of nerve-agent simulants with BODIPY dyes. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 6339-47	4.8	65
104	Functionalized Gold Nanoparticles as an Approach to the Direct Colorimetric Detection of DCNP Nerve Agent Simulant. <i>European Journal of Organic Chemistry</i> , <b>2013</b> , 2013, 4770-4779	3.2	17

103	Boolean operations mediated by an ion-pair receptor of a multi-readout molecular logic gate. <i>Chemical Communications</i> , <b>2013</b> , 49, 11056-8	5.8	22
102	A new fluorescent turn-on chemodosimeter for the detection of hydrogen sulfide in water and living cells. <i>RSC Advances</i> , <b>2013</b> , 3, 25690	3.7	17
101	Binding and Fluorescent Sensing of Dicarboxylates by a Bis(calix[4]pyrrole)-Substituted BODIPY Dye. <i>European Journal of Organic Chemistry</i> , <b>2013</b> , 2013, 1515-1520	3.2	24
100	Fluorogenic detection of Tetryl and TNT explosives using nanoscopic-capped mesoporous hybrid materials. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 3561	13	44
99	Neutral 1,3-diindolylureas for nerve agent remediation. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 1586-908	4.8	32
98	Enzyme-responsive silica mesoporous supports capped with azopyridinium salts for controlled delivery applications. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 1346-56	4.8	35
97	Selective and sensitive chromogenic detection of cyanide and HCN in solution and in gas phase. <i>Chemical Communications</i> , <b>2013</b> , 49, 5669-71	5.8	58
96	A new phenanthrene-based bis-oxime chemosensor for Fe(III) and Cr(III) discrimination. <i>Tetrahedron</i> , <b>2012</b> , 68, 4882-4887	2.4	39
95	Inversion of selectivity in anion recognition with conformationally blocked calix[4]pyrroles. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 8445-51	3.9	9
94	Discrimination of nerve gases mimics and other organophosphorous derivatives in gas phase using a colorimetric probe array. <i>Chemical Communications</i> , <b>2012</b> , 48, 10105-7	5.8	45
93	Aryl carbinols as nerve agent probes. Influence of the conjugation on the sensing properties. <i>New Journal of Chemistry</i> , <b>2012</b> , 36, 1485	3.6	10
92	Design of enzyme-mediated controlled release systems based on silica mesoporous supports capped with ester-glycol groups. <i>Langmuir</i> , <b>2012</b> , 28, 14766-76	4	41
91	Targeted cargo delivery in senescent cells using capped mesoporous silica nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 10556-60	16.4	97
90	Nerve agent simulant detection by using chromogenic triaryl methane cation probes. <i>Tetrahedron</i> , <b>2012</b> , 68, 8612-8616	2.4	16
89	Multichannel Sensors Based on Biphenyl and Cyclohexane Conformational Changes. <i>Springer Series on Chemical Sensors and Biosensors</i> , <b>2012</b> , 1-32	2	
88	Amidase-responsive controlled release of antitumoral drug into intracellular media using gluconamide-capped mesoporous silica nanoparticles. <i>Nanoscale</i> , <b>2012</b> , 4, 7237-45	7.7	33
87	Selective Detection of Nerve Agent Simulants by Using Triarylmethanol-Based Chromogenic Chemodosimeters. <i>European Journal of Organic Chemistry</i> , <b>2012</b> , 2012, 4937-4946	3.2	34
86	Optical chemosensors and reagents to detect explosives. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 1261-96	58.5	883

85	A new selective fluorogenic probe for trivalent cations. <i>Chemical Communications</i> , <b>2012</b> , 48, 3000-2	5.8	221
84	Highly selective and sensitive chromo-fluorogenic detection of the Tetryl explosive using functional silica nanoparticles. <i>Chemical Communications</i> , <b>2011</b> , 47, 11885-7	5.8	18
83	Chromogenic, specific detection of the nerve-agent mimic DCNP (a tabun mimic). <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 6931-4	4.8	62
82	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> , <b>2011</b> , 17, 11994-7	4.8	57
81	Selective opening of nanoscopic capped mesoporous inorganic materials with nerve agent simulants; an application to design chromo-fluorogenic probes. <i>Chemical Communications</i> , <b>2011</b> , 47, 8313-5	5.8	38
80	Unexplored nucleophilic ring opening of aziridines. <i>Molecules</i> , <b>2010</b> , 15, 9135-44	4.8	1
79	Multi-channel receptors based on thiopyrylium functionalised with macrocyclic receptors for the recognition of transition metal cations and anions. <i>Dalton Transactions</i> , <b>2010</b> , 39, 3449-59	4.3	25
78	Chromo-fluorogenic detection of nerve-agent mimics using triggered cyclization reactions in push-pull dyes. <i>Chemistry - an Asian Journal</i> , <b>2010</b> , 5, 1573-85	4.5	42
77	Chromogenic detection of nerve agent mimics by mass transport control at the surface of bifunctionalized silica nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 5945-8	16.4	43
76	Biphenyl-type sensing system in proton-rich environment by fluorescence and quantum-chemical calculations. <i>Journal of Luminescence</i> , <b>2010</b> , 130, 1085-1091	3.8	5
75	Fluorescein-Based Thiourea Derivatives as Fluorogenic Sensors for Mono and Dicarboxylates. <i>Sensor Letters</i> , <b>2010</b> , 8, 818-823	0.9	2
74	Fluorescent Cyclohexyl-Based Chemosensors for Selective Sensing of TMA Malonate in DMSO/Water. <i>European Journal of Organic Chemistry</i> , <b>2009</b> , 2009, 3673-3677	3.2	10
73	Hg <sup>2+</sup> and Cu <sup>2+</sup> selective detection using a dual channel receptor based on thiopyrylium scaffoldings. <i>Tetrahedron Letters</i> , <b>2009</b> , 50, 3885-3888	2	43
72	Enantioselective sensing of dicarboxylates. Influence of the stoichiometry of the complexes on the sensing mechanism. <i>Tetrahedron: Asymmetry</i> , <b>2009</b> , 20, 1468-1471		14
71	Surfactant-assisted chromogenic sensing of cyanide in water. <i>New Journal of Chemistry</i> , <b>2009</b> , 33, 1641	3.6	63
70	Chromogenic detection of nerve agent mimics. <i>Chemical Communications</i> , <b>2008</b> , 6002-4	5.8	85
69	Complexation of $\beta$ -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> , <b>2008</b> , 62, 203-207		3
68	3,3'-Disubstitued 2,2'-Bipyridines as Carboxylate Receptors: Conformational Regulation of the Bipyridine Moiety. <i>European Journal of Organic Chemistry</i> , <b>2008</b> , 2008, 1079-1084	3.2	8

67	Solid-liquid extraction of amino acids using ditopic receptors. <i>Tetrahedron</i> , <b>2008</b> , 64, 110-116	2.4	13
66	Chiral cyclohexane based fluorescent chemosensors for enantiomeric discrimination of aspartate. <i>Tetrahedron</i> , <b>2008</b> , 64, 3217-3224	2.4	23
65	Fluorescent chemosensors based on cyclohexane: selective sensing of succinate and malonate versus their longer or shorter homologues. <i>Tetrahedron</i> , <b>2008</b> , 64, 7252-7257	2.4	16
64	Chromogenic and fluorogenic reagents for chemical warfare nerve agents' detection. <i>Chemical Communications</i> , <b>2007</b> , 4839-47	5.8	163
63	Relationship between ligand conformations and complexation properties in ditopic biphenyl thioureas. <i>Tetrahedron</i> , <b>2007</b> , 63, 7899-7905	2.4	11
62	Biphenylthioureas as organocatalysts for electrochemical reductions. <i>Tetrahedron Letters</i> , <b>2007</b> , 48, 6992-6995	13	
61	Influence of Cation Size on the Fluorescent Properties of Bis-coronand Biphenyl-derived Complexes. <i>Supramolecular Chemistry</i> , <b>2007</b> , 19, 151-158	1.8	1
60	Experimental evidence for the homochiral aggregation of ammonium salts in solution. <i>New Journal of Chemistry</i> , <b>2006</b> , 30, 1263-1266	3.6	8
59	New macrocycles derived from biphenyl for pH-switched solvent extraction. <i>Tetrahedron</i> , <b>2006</b> , 62, 2671-2676	1	
58	N-Biphenyl thioureas as carboxylate receptors. Effect of the ligand substituents on the geometry of the complexes. <i>Tetrahedron</i> , <b>2006</b> , 62, 8571-8577	2.4	21
57	4,4'-Substituted biphenyl coronands. Preparation of a new selective fluorescent sensor for mercury salts. <i>Tetrahedron</i> , <b>2006</b> , 62, 11972-11978	2.4	11
56	A selective colorimetric chemodosimeter for the naked eye detection of benzoate anion. <i>Tetrahedron Letters</i> , <b>2006</b> , 47, 6561-6564	2	12
55	Fluorescent sensing of maleate versus fumarate by a neutral cyclohexane based thiourea receptor. <i>Chemical Communications</i> , <b>2006</b> , 761-3	5.8	42
54	Biphenyl Macrolactams as Colorimetric Sensors for Anions through Displacement Reactions. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>2006</b> , 54, 61-66		5
53	Poly(amine) biphenyl derivatives as fluorescent sensors for anions and cations. <i>Journal of Materials Chemistry</i> , <b>2005</b> , 15, 2848		23
52	Magneto-electrochemistry of 4,4'-bis(dimethylamino)biphenyl and 4,4'-dinitrobiphenyl azacrown macrocyclic lactams. <i>Electrochimica Acta</i> , <b>2005</b> , 50, 4063-4075	6.7	2
51	Cation and anion fluorescent and electrochemical sensors derived from 4,4'-substituted biphenyl. <i>Tetrahedron</i> , <b>2005</b> , 61, 10309-10320	2.4	13
50	Synthesis of chiral 18-crown-6 ethers containing lipophilic chains and their enantiomeric recognition of chiral ammonium picrates. <i>Tetrahedron: Asymmetry</i> , <b>2005</b> , 16, 2673-2679		55

49	pH-Dependent ligands as carriers in transport experiments. <i>Comptes Rendus Chimie</i> , <b>2004</b> , 7, 15-23	2.7	3
48	Bis(crown ethers) derived from biphenyl: extraction and electrochemical properties. <i>Tetrahedron</i> , <b>2004</b> , 60, 4683-4691	2.4	21
47	Conformationally regulated fluorescent sensors. Study of the selectivity in Zn <sup>2+</sup> versus Cd <sup>2+</sup> sensing. <i>Tetrahedron</i> , <b>2004</b> , 60, 6327-6334	2.4	38
46	Biphenyl macrolactams in anion complexation. Selective naked-eye fluoride recognition. <i>Tetrahedron</i> , <b>2004</b> , 60, 9471-9478	2.4	59
45	Magnetochemical modulation of pre-organization processes in a 4,4'-dinitrobiphenyl azacrown macrocyclic lactam. <i>Electrochemistry Communications</i> , <b>2004</b> , 6, 908-912	5.1	3
44	Polyazapodands Derived from Biphenyl. Study of their Behaviour as Conformationally Regulated Fluorescent Sensors. <i>Supramolecular Chemistry</i> , <b>2004</b> , 16, 435-446	1.8	9
43	Azacrownlactams Derived from Biphenyl. Study of Their Conformations, Complexation Ability and Electrochemical Behavior. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>2003</b> , 45, 241-249		8
42	A Fluorescent Chemosensor Able to Distinguish between Ionic and Covalent Mercury Compounds. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>2003</b> , 46, 121-124		3
41	Synthesis of a New pH-Dependent Ligand: Conformational and Complexation Studies. <i>Supramolecular Chemistry</i> , <b>2003</b> , 15, 403-408	1.8	8
40	Crown ethers derived from cyclohexane. Influence of their stereochemistry in complexation and transport. <i>Tetrahedron</i> , <b>2002</b> , 58, 6729-6734	2.4	15
39	4,4'-Bis(dimethylamino)biphenyl containing binding sites. A new fluorescent subunit for cation sensing. <i>Dalton Transactions RSC</i> , <b>2002</b> , 1769-1775		33
38	Synthesis, solution and electrochemical behaviour of new aza-crown ethers derived from biphenyl. <i>Dalton Transactions RSC</i> , <b>2000</b> , 361-367		14
37	Redox-active aza-crown ethers derived from biphenyl. electrochemical and solution studies of complexation. <i>Tetrahedron</i> , <b>1999</b> , 55, 15141-15150	2.4	8
36	Complexation Studies Using Azamacrolactones Derived from Biphenyl. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>1999</b> , 35, 147-155		
35	Redox-active crown ethers derived from biphenyl. Electrochemical and spectroscopic study of binding processes with alkali, alkali-earth and mercury salts. <i>Tetrahedron</i> , <b>1998</b> , 54, 8159-8170	2.4	10
34	Bis-cyclic Crown Ether Derived from Biphenyl. Different Behaviour in Complexing Hg(SCN) <sub>2</sub> and Hg(CN) <sub>2</sub> . <i>Supramolecular Chemistry</i> , <b>1998</b> , 9, 211-219	1.8	4
33	Bis-cyclic crown ethers derived from biphenyl. Influence of conformation in complexation of Hg(SCN) <sub>2</sub> . <i>Tetrahedron</i> , <b>1996</b> , 52, 669-676	2.4	15
32	Macrolactones and crown ethers derived from biphenyl. Electronic and steric influence of substituents on its complexation ability. <i>Tetrahedron</i> , <b>1996</b> , 52, 3683-3692	2.4	9

31	Allosteric behaviour of a bis-cyclic crown ether derived from biphenyl. <i>Tetrahedron</i> , <b>1996</b> , 52, 12499-12504	16
30	Crystal Structure of 6,6'-dimethoxy-2,2'-diphenyl-19-crown-5 Hg(SCN) <sub>2</sub> . <i>Crystal Research and Technology</i> , <b>1996</b> , 31, 37-42	1.3 6
29	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> , <b>1994</b> , 50, 5381-5386	2.4 5
28	Synthesis of a New Allosteric Carrier Containing Three Conformationally Related Subunits. <i>Journal of Organic Chemistry</i> , <b>1994</b> , 59, 2939-2944	4.2 20
27	The Chemistry of Unsaturated Nitrogen Heterocyclic Compounds Containing Carbonyl Groups. <i>Advances in Heterocyclic Chemistry</i> , <b>1993</b> , 58, 171-214	2.4 6
26	Bis-cyclohexyl-crown-ethers as allosteric carriers. <i>Tetrahedron</i> , <b>1992</b> , 48, 6265-6272	2.4 17
25	Influence of negative allosteric cooperativity in cation transport.. <i>Tetrahedron Letters</i> , <b>1992</b> , 33, 623-626	20
24	Enhanced transport through binding cooperativity in a circulating system. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1991</b> , 1, 87-88	2.9 3
23	Aza and diazaannulenones. Influence of nitrogen position on their reactivity and stability. <i>Journal of Organic Chemistry</i> , <b>1991</b> , 56, 5417-5421	4.2 10
22	Reactive annulenones: a comparative study. <i>Journal of Organic Chemistry</i> , <b>1990</b> , 55, 2060-2063	4.2 15
21	Reaction of 4-substituted 2-azetidinone with nucleophiles. Existence and reactivity of 1-azetin-4-one. <i>Journal of Organic Chemistry</i> , <b>1990</b> , 55, 434-437	4.2 15
20	Transfer between solid phases. Mechanistic studies. <i>Reactive &amp; Functional Polymers</i> , <b>1989</b> , 10, 189-206	
19	Generation of an unsaturated lactam intermediate from a polymeric precursor. <i>Reactive &amp; Functional Polymers</i> , <b>1989</b> , 10, 207-209	3
18	Convergent functional groups. 5. Ternary complexes in the molecular recognition of .beta.-arylethylamines. <i>Journal of the American Chemical Society</i> , <b>1988</b> , 110, 923-927	16.4 18
17	Reactivity of azaannulenones. <i>Journal of Organic Chemistry</i> , <b>1988</b> , 53, 6112-6113	4.2 8
16	Allosteric cooperativity and transport: studies in a circulating system. <i>Journal of the American Chemical Society</i> , <b>1988</b> , 110, 7140-7143	16.4 33
15	2-Aza-2,4-cyclopentadienone. Existence and reactivity. <i>Journal of the American Chemical Society</i> , <b>1988</b> , 110, 4017-4018	16.4 18
14	Convergent functional groups: catalysis of hemiacetal cleavage in a synthetic molecular cleft. <i>Journal of the American Chemical Society</i> , <b>1988</b> , 110, 983-984	16.4 25

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|----|--|------|----|
| 13 | 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> , <b>1987</b> , 52, 2997-2999                               | 4.2  | 6  |
| 12 | Molecular recognition: Watson-Crick, Hoogsteen, and bifurcated hydrogen bonding in a model for adenine recognition. <i>Journal of the American Chemical Society</i> , <b>1987</b> , 109, 6866-6867 | 16.4 | 25 |
| 11 | Antiaromatic annulenones. <i>Reactive Polymers, Ion Exchangers, Sorbents</i> , <b>1987</b> , 6, 203-206  |      |    |
| 10 | Polymer-bound precursors of diimine: Pericyclic reactions. <i>Reactive Polymers, Ion Exchangers, Sorbents</i> , <b>1987</b> , 6, 291-298   |      |    |
| 9  | Arynic species; effect of substituents on the reactivity of monosubstituted dehydrobenzenes. <i>Tetrahedron</i> , <b>1986</b> , 42, 155-166  | 2.4  | 19 |
| 8  | Arynic species II. <i>Tetrahedron</i> , <b>1986</b> , 42, 5641-5648  | 2.4  | 9  |
| 7  | Evidence for the formation of 1,3- and 1,4-dehydrobenzenes in the thermal decomposition of diaryliodonium-carboxylates. <i>Tetrahedron Letters</i> , <b>1986</b> , 27, 4779-4782                   | 2    | 5  |
| 6  | 1,1-Di-iodoalkenes from aldehydes and triphenylphosphine-carbon tetraiodide. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1985</b> , 296-297                                |      | 9  |
| 5  | Generation of monosubstituted o-benzynes from polymeric reagents via heterolytic fragmentations. <i>Tetrahedron Letters</i> , <b>1984</b> , 25, 779-782  | 2    | 3  |
| 4  | Existence and reactivity of bicyclic annulenones. 4-Phenylbicyclo[3.3.0]octa-1(5),3,6-triene-2,8-dione. <i>Journal of Organic Chemistry</i> , <b>1984</b> , 49, 4616-4618                          | 4.2  | 8  |
| 3  | Reactivity of free cyclopentadienone in cycloaddition reactions. <i>Journal of the American Chemical Society</i> , <b>1984</b> , 106, 2077-2080  | 16.4 | 18 |
| 2  | Thermogravimetric studies of polymeric reagents: a polymeric o-benzyne precursor. <i>Tetrahedron Letters</i> , <b>1982</b> , 23, 2403-2406   | 2    | 6  |
| 1  | Pericyclic reactions of free cyclopentadienone. <i>Journal of the American Chemical Society</i> , <b>1981</b> , 103, 1797-1798   | 16.7 | 27 |