

# Juan Soto

## List of Publications by Year in descending order

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210  
papers

12,244  
citations

20759

60  
h-index

30848

102  
g-index

226  
all docs

226  
docs citations

226  
times ranked

9176  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | pH- and Photo-Switched Release of Guest Molecules from Mesoporous Silica Supports. <i>Journal of the American Chemical Society</i> , 2009, 131, 6833-6843.  | 6.6  | 367       |
| 2  | A Regenerative Chemodosimeter Based on Metal-Induced Dye Formation for the Highly Selective and Sensitive Optical Determination of Hg <sup>2+</sup> Ions. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4405-4407. | 7.2  | 351       |
| 3  | A New Chromo-chemodosimeter Selective for Sulfide Anion. <i>Journal of the American Chemical Society</i> , 2003, 125, 9000-9001.  | 6.6  | 338       |
| 4  | Squaraines as Fluoro- $\gamma$ -Chromogenic Probes for Thiol-Containing Compounds and Their Application to the Detection of Biorelevant Thiols. <i>Journal of the American Chemical Society</i> , 2004, 126, 4064-4065.           | 6.6  | 318       |
| 5  | Coupling Selectivity with Sensitivity in an Integrated Chemosensor Framework: A Design of a Hg <sup>2+</sup> -Responsive Probe, Operating above 500 nm. <i>Journal of the American Chemical Society</i> , 2003, 125, 3418-3419.   | 6.6  | 305       |
| 6  | Enzyme-Responsive Intracellular Controlled Release Using Nanometric Silica Mesoporous Supports Capped with $\alpha$ -D-Glucopyranosides. <i>ACS Nano</i> , 2010, 4, 6353-6368.  | 7.3  | 286       |
| 7  | Rational Design of a Chromo- and Fluorogenic Hybrid Chemosensor Material for the Detection of Long-Chain Carboxylates. <i>Journal of the American Chemical Society</i> , 2005, 127, 184-200.                                      | 6.6  | 253       |
| 8  | A new selective fluorogenic probe for trivalent cations. <i>Chemical Communications</i> , 2012, 48, 3000.   | 2.2  | 246       |
| 9  | Enzyme-Responsive Controlled Release Using Mesoporous Silica Supports Capped with Lactose. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5884-5887.  | 7.2  | 236       |
| 10 | Controlled Delivery Systems Using Antibody-Capped Mesoporous Nanocontainers. <i>Journal of the American Chemical Society</i> , 2009, 131, 14075-14080.  | 6.6  | 235       |
| 11 | Controlled Delivery Using Oligonucleotide-Capped Mesoporous Silica Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7281-7283.   | 7.2  | 234       |
| 12 | Toward the Development of Ionically Controlled Nanoscopic Molecular Gates. <i>Journal of the American Chemical Society</i> , 2004, 126, 8612-8613.  | 6.6  | 225       |
| 13 | Dual Aperture Control on pH- and Anion-Driven Supramolecular Nanoscopic Hybrid Gate-like Ensembles. <i>Journal of the American Chemical Society</i> , 2008, 130, 1903-1917.   | 6.6  | 220       |
| 14 | A selective chromogenic reagent for cyanide determination. <i>Chemical Communications</i> , 2002, , 2248-2249.  | 2.2  | 218       |
| 15 | Enzyme-Mediated Controlled Release Systems by Anchoring Peptide Sequences on Mesoporous Silica Supports. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2138-2140.  | 7.2  | 197       |
| 16 | Pyrylium-containing polymers as sensory materials for the colorimetric sensing of cyanide in water. <i>Chemical Communications</i> , 2005, , 2790.  | 2.2  | 175       |
| 17 | A Colorimetric ATP Sensor Based on 1,3,5-Triarylpent-2-en-1,5-diones. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 2640-2643.   | 7.2  | 171       |
| 18 | Photochemical and Chemical Two-Channel Control of Functional Nanogated Hybrid Architectures. <i>Advanced Materials</i> , 2007, 19, 2228-2231.   | 11.1 | 160       |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Selective fluoride sensing using colorimetric reagents containing anthraquinone and urea or thiourea binding sites. <i>Tetrahedron Letters</i> , 2002, 43, 2823-2825.   | 0.7  | 156       |
| 20 | Highly Selective Chromogenic Signaling of Hg <sup>2+</sup> in Aqueous Media at Nanomolar Levels Employing a Squaraine-Based Reporter. <i>Inorganic Chemistry</i> , 2004, 43, 5183-5185.                             | 1.9  | 147       |
| 21 | Subphthalocyanines as fluoro-chromogenic probes for anions and their application to the highly selective and sensitive cyanide detection. <i>Chemical Communications</i> , 2005, , 5260.                            | 2.2  | 147       |
| 22 | Finely Tuned Temperature- Controlled Cargo Release Using Paraffin- Capped Mesoporous Silica Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11172-11175.                                | 7.2  | 143       |
| 23 | Towards the Development of Colorimetric Probes to Discriminate between Isomeric Dicarboxylates. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 647-650.   | 7.2  | 142       |
| 24 | An "electronic tongue" design for the qualitative analysis of natural waters. <i>Sensors and Actuators B: Chemical</i> , 2005, 104, 302-307.  | 4.0  | 128       |
| 25 | Chromogenic Discrimination of Primary Aliphatic Amines in Water with Functionalized Mesoporous Silica. <i>Advanced Materials</i> , 2004, 16, 1783-1786.   | 11.1 | 124       |
| 26 | A Mesoporous 3D Hybrid Material with Dual Functionality for Hg <sup>2+</sup> Detection and Adsorption. <i>Chemistry - A European Journal</i> , 2008, 14, 8267-8278.   | 1.7  | 123       |
| 27 | The Determination of Methylmercury in Real Samples Using Organically Capped Mesoporous Inorganic Materials Capable of Signal Amplification. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8519-8522. | 7.2  | 123       |
| 28 | Targeted Cargo Delivery in Senescent Cells Using Capped Mesoporous Silica Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10556-10560.  | 7.2  | 122       |
| 29 | Sensitive and Selective Chromogenic Sensing of Carbon Monoxide via Reversible Axial CO Coordination in Binuclear Rhodium Complexes. <i>Journal of the American Chemical Society</i> , 2011, 133, 15762-15772.       | 6.6  | 113       |
| 30 | A Selective Chromogenic Reagent for Nitrate. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1416-1419.  | 7.2  | 110       |
| 31 | New Methods for Anion Recognition and Signaling Using Nanoscopic Gate-like Scaffoldings. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6661-6664.  | 7.2  | 107       |
| 32 | A Simple Approach for the Selective and Sensitive Colorimetric Detection of Anionic Surfactants in Water. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1675-1678.                                   | 7.2  | 106       |
| 33 | Controlled release of vitamin B2 using mesoporous materials functionalized with amine-bearing gate-like scaffoldings. <i>Journal of Controlled Release</i> , 2008, 131, 181-189.                                    | 4.8  | 101       |
| 34 | Sensitive and Selective Chromogenic Sensing of Carbon Monoxide by Using Binuclear Rhodium Complexes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4934-4937.  | 7.2  | 99        |
| 35 | Anthrylmethylamine functionalised mesoporous silica-based materials as hybrid fluorescent chemosensors for ATP. <i>Journal of Materials Chemistry</i> , 2005, 15, 2721.   | 6.7  | 90        |
| 36 | Electro-optical triple-channel sensing of metal cations via multiple signalling patterns. <i>Tetrahedron Letters</i> , 2004, 45, 1257-1259.   | 0.7  | 89        |

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|----|---|-----|-----------|
| 37 | Host Solids Containing Nanoscale Anion-Binding Pockets and Their Use in Selective Sensing Displacement Assays. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2918-2922.  | 7.2 | 88        |
| 38 | Freshness monitoring of sea bream ( <i>Sparus aurata</i> ) with a potentiometric sensor. <i>Food Chemistry</i> , 2008, 108, 681-688.  | 4.2 | 86        |
| 39 | A voltammetric electronic tongue as tool for water quality monitoring in wastewater treatment plants. <i>Water Research</i> , 2012, 46, 2605-2614.  | 5.3 | 86        |
| 40 | A multisensor in thick-film technology for water quality control. <i>Sensors and Actuators A: Physical</i> , 2005, 120, 589-595.  | 2.0 | 85        |
| 41 | A new method for fluoride determination by using fluorophores and dyes anchored onto MCM-41. Electronic supplementary information (ESI) available: IR spectra, SEM images, X-ray diffraction patterns and TG/TD analysis. See <a href="http://www.rsc.org/suppdata/cc/b1/b11128k/">http://www.rsc.org/suppdata/cc/b1/b11128k/</a> . <i>Chemical Communications</i> , 2002, , 562-563. | 2.2 | 80        |
| 42 | Nanosopic hybrid systems with a polarity-controlled gate-like scaffolding for the colorimetric signalling of long-chain carboxylates. <i>Chemical Communications</i> , 2007, , 1957-1959.   | 2.2 | 80        |
| 43 | Fish freshness analysis using metallic potentiometric electrodes. <i>Sensors and Actuators B: Chemical</i> , 2008, 131, 362-370.  | 4.0 | 79        |
| 44 | Monitoring of physical and chemical and microbiological changes in fresh pork meat under cold storage by means of a potentiometric electronic tongue. <i>Food Chemistry</i> , 2011, 126, 1261-1268.   | 4.2 | 79        |
| 45 | Borate-Driven Gate-like Scaffolding Using Mesoporous Materials Functionalised with Saccharides. <i>Chemistry - A European Journal</i> , 2009, 15, 6877-6888.  | 1.7 | 78        |
| 46 | Ferrocene-Cyclam: A Redox-Active Macrocycle for the Complexation of Transition Metal Ions and a Study on the Influence of the Relative Permittivity on the Coulombic Interaction between Metal Cations. <i>Chemistry - A European Journal</i> , 2001, 7, 2848-2861.   | 1.7 | 73        |
| 47 | Multi-Channel Receptors and Their Relation to Guest Chemosensing and Reconfigurable Molecular Logic Gates. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 2393-2403.  | 1.0 | 72        |
| 48 | Sensory hybrid host materials for the selective chromo-fluorogenic detection of biogenic amines. <i>Chemical Communications</i> , 2006, , 2239-2241.  | 2.2 | 72        |
| 49 | A novel humid electronic nose combined with an electronic tongue for assessing deterioration of wine. <i>Sensors and Actuators A: Physical</i> , 2011, 171, 152-158.  | 2.0 | 70        |
| 50 | Accurate concentration determination of anions nitrate, nitrite and chloride in minced meat using a voltammetric electronic tongue. <i>Sensors and Actuators B: Chemical</i> , 2010, 149, 71-78.  | 4.0 | 69        |
| 51 | Ferrocene-containing chelating ligands. 1. Solution study, synthesis, crystal structure, and electronic properties of bis{N,N'-ethylenebis((ferrocenylmethyl)amine)}copper(II) nitrate. <i>Inorganic Chemistry</i> , 1993, 32, 1197-1203.   | 1.9 | 68        |
| 52 | An electronic tongue for fish freshness analysis using a thick-film array of electrodes. <i>Mikrochimica Acta</i> , 2008, 163, 121-129.   | 2.5 | 67        |
| 53 | Synthesis and Study of the Use of Heterocyclic Thiosemicarbazones As Signaling Scaffolding for the Recognition of Anions. <i>Journal of Organic Chemistry</i> , 2010, 75, 2922-2933.  | 1.7 | 67        |
| 54 | Squaraines as Reporter Units: Insights into their Photophysics, Protonation, and Metal Ion Coordination Behaviour. <i>Chemistry - A European Journal</i> , 2008, 14, 10101-10114.   | 1.7 | 66        |

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|----|--|-----|-----------|
| 55 | Monitoring honey adulteration with sugar syrups using an automatic pulse voltammetric electronic tongue. <i>Food Control</i> , 2018, 91, 254-260.  | 2.8 | 66        |
| 56 | Ionic liquids promote selective responses towards the highly hydrophilic anion sulfate in PVC membrane ion-selective electrodes. <i>Chemical Communications</i> , 2005, , 3033.  | 2.2 | 64        |
| 57 | Surfactant-assisted chromogenic sensing of cyanide in water. <i>New Journal of Chemistry</i> , 2009, 33, 1641.   | 1.4 | 64        |
| 58 | Signalling Mechanisms in Anion-Responsive Push-Pull Chromophores: The Hydrogen-Bonding, Deprotonation and Anion-Exchange Chemistry of Functionalized Azo Dyes. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 2449-2458.                         | 1.2 | 61        |
| 59 | 1,3,5-Triaryl-pent-2-en-1,5-diones for the colorimetric sensing of the mercuric cation. <i>Chemical Communications</i> , 2001, , 2262.   | 2.2 | 60        |
| 60 | Design of a low-cost non-destructive system for punctual measurements of salt levels in food products using impedance spectroscopy. <i>Sensors and Actuators A: Physical</i> , 2010, 158, 217-223.   | 2.0 | 60        |
| 61 | Dual Enzyme-Triggered Controlled Release on Capped Nanometric Silica Mesoporous Supports. <i>ChemistryOpen</i> , 2012, 1, 17-20.   | 0.9 | 59        |
| 62 | Anion interaction with ferrocene-functionalised cyclic and open-chain polyaza and aza-oxa cycloalkanes. <i>Dalton Transactions RSC</i> , 2000, , 1805-1812.  | 2.3 | 56        |
| 63 | Prediction of NaCl, nitrate and nitrite contents in minced meat by using a voltammetric electronic tongue and an impedimetric sensor. <i>Food Chemistry</i> , 2010, 122, 864-870.  | 4.2 | 56        |
| 64 | Selective electrochemical recognition of sulfate over phosphate and phosphate over sulfate using polyaza ferrocene macrocyclic receptors in aqueous solution. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 127-134.                  | 1.1 | 55        |
| 65 | Bis(terpyridyl)-Ruthenium(II) Units Attached to Polyazacycloalkanes as Sensing Fluorescent Receptors For Transition Metal Ions. <i>European Journal of Inorganic Chemistry</i> , 2000, 2000, 741-748.  | 1.0 | 55        |
| 66 | A new ion-selective electrode for anionic surfactants. <i>Talanta</i> , 2007, 71, 333-338.   | 2.9 | 54        |
| 67 | Difunctionalised Chemosensors Containing Electroactive and Fluorescent Signalling Subunits. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 866-875.  | 1.0 | 53        |
| 68 | Cyclic and open-chain aza-oxa ferrocene-functionalised derivatives as receptors for the selective electrochemical sensing of toxic heavy metal ions in aqueous environments. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 2359-2370. | 1.1 | 52        |
| 69 | Quality control in the secretory assembly line. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2001, 356, 147-150.  | 1.8 | 52        |
| 70 | Synthesis and evaluation of thiosemicarbazones functionalized with furyl moieties as new chemosensors for anion recognition. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 7418.   | 1.5 | 52        |
| 71 | Anchoring Dyes into Multidimensional Large-Pore Zeolites: A Prospective Use as Chromogenic Sensing Materials. <i>Chemistry - A European Journal</i> , 2006, 12, 2162-2170.   | 1.7 | 48        |
| 72 | Ditopic N-Crowned 4-(p-Aminophenyl)-2,6-diphenylpyridines: Implications of Macrocyclic Topology on the Spectroscopic Properties, Cation Complexation, and Differential Anion Responses. <i>Inorganic Chemistry</i> , 2007, 46, 3123-3135.                    | 1.9 | 48        |

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|----|--|-----|-----------|
| 73 | Fluorogenic detection of Tetryl and TNT explosives using nanoscopic-capped mesoporous hybrid materials. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3561.   | 5.2 | 48        |
| 74 | New potentiometric dissolved oxygen sensors in thick film technology. <i>Sensors and Actuators B: Chemical</i> , 2004, 101, 295-301.   | 4.0 | 46        |
| 75 | 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, 5945-5948.   | 7.2 | 45        |
| 76 | Selective Chromofluorogenic Sensing of Heparin by using Functionalised Silica Nanoparticles Containing Binding Sites and a Signalling Reporter. <i>Chemistry - A European Journal</i> , 2009, 15, 1816-1820.   | 1.7 | 44        |
| 77 | Hg <sup>2+</sup> and Cu <sup>2+</sup> selective detection using a dual channel receptor based on thiopyrylium scaffoldings. <i>Tetrahedron Letters</i> , 2009, 50, 3885-3888.  | 0.7 | 44        |
| 78 | Design of Enzyme-Mediated Controlled Release Systems Based on Silica Mesoporous Supports Capped with Ester-Glycol Groups. <i>Langmuir</i> , 2012, 28, 14766-14776.   | 1.6 | 43        |
| 79 | Ion-selective electrodes for anionic surfactants using a new aza-oxa-cycloalkane as active ionophore. <i>Analytica Chimica Acta</i> , 2004, 525, 83-90.  | 2.6 | 42        |
| 80 | Mesoporous Hybrid Materials Containing Nanoscopic "Binding Pockets" for Colorimetric Anion Signaling in Water by using Displacement Assays. <i>Chemistry - A European Journal</i> , 2009, 15, 9024-9033.   | 1.7 | 42        |
| 81 | Polyaza and azaoxa macrocyclic receptors functionalised with fluorescent subunits; Hg <sup>2+</sup> selective signalling. <i>Dalton Transactions RSC</i> , 2000, , 1199-1205.  | 2.3 | 41        |
| 82 | 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.   | 2.2 | 40        |
| 83 | Characterization of embeddable potentiometric thick-film sensors for monitoring chloride penetration in concrete. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 407-418.   | 4.0 | 39        |
| 84 | Fluorescent Chemosensors for Heavy Metal Ions Based on Bis(terpyridyl) Ruthenium(II) Complexes Containing Aza-Oxa and Polyaza Macrocycles. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 1475-1482.   | 1.0 | 38        |
| 85 | Cobalt(II) and nickel(II) complexes of a cyclam derivative as carriers in iodide-selective electrodes. <i>Analytica Chimica Acta</i> , 2002, 459, 229-234.   | 2.6 | 38        |
| 86 | Efficient boron removal by using mesoporous matrices grafted with saccharides. <i>Chemical Communications</i> , 2004, , 2198-2199.   | 2.2 | 37        |
| 87 | Chromogenic Signaling of Hydrogen Carbonate Anion with Pyrylium-Containing Polymers. <i>Organic Letters</i> , 2007, 9, 2429-2432.  | 2.4 | 37        |
| 88 | Ion-selective electrodes for anionic surfactants using a cyclam derivative as ionophore. <i>Talanta</i> , 2008, 75, 317-325.   | 2.9 | 37        |
| 89 | ATP Recognition Through a Fluorescence Change in a Multicomponent Dinuclear System Containing a Ru(Tpy) <sub>2</sub> <sup>2+</sup> Fluorescent Core and a Cyclam-Cu <sup>2+</sup> Complex. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 1221-1226. | 1.0 | 36        |
| 90 | 4,4'-Bis(dimethylamino)biphenyl containing binding sites. A new fluorescent subunit for cation sensing. <i>Dalton Transactions RSC</i> , 2002, , 1769-1775.  | 2.3 | 36        |

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|-----|--|-----|-----------|
| 91  | Hybrid materials with nanoscopic anion-binding pockets for the colorimetric sensing of phosphate in water using displacement assays. <i>Chemical Communications</i> , 2008, , 3639.  | 2.2 | 35        |
| 92  | A Photoactivated Molecular Gate. <i>Chemistry - A European Journal</i> , 2012, 18, 12218-12221.  | 1.7 | 35        |
| 93  | Predicting the maximum oxidation potential shift in redox-active pH-responsive molecules in their electrostatic interaction with substrates. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997, 93, 2175-2180.                   | 1.7 | 34        |
| 94  | Synthesis and evaluation of fluorimetric and colorimetric chemosensors for anions based on (oligo)thienyl-thiosemicarbazones. <i>Tetrahedron</i> , 2012, 68, 7179-7186.  | 1.0 | 34        |
| 95  | Chromogenic silica nanoparticles for the colorimetric sensing of long-chain carboxylates. <i>Chemical Communications</i> , 2008, , 1668.   | 2.2 | 33        |
| 96  | A fluorescent chemosensor based on a ruthenium(II)-terpyridine core containing peripheral amino groups that selectively sense ATP in an aqueous environment. <i>Inorganic Chemistry Communication</i> , 2000, 3, 45-48.                            | 1.8 | 32        |
| 97  | Design of an electronic system and its application to electronic tongues using variable amplitude pulse voltammetry and impedance spectroscopy. <i>Journal of Food Engineering</i> , 2012, 111, 122-128.   | 2.7 | 32        |
| 98  | Polymer Composites Containing Gated Mesoporous Materials for On-Command Controlled Release. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 6453-6460.  | 4.0 | 31        |
| 99  | Colourimetric detection of Hg <sup>2+</sup> by a chromogenic reagent based on methyl orange and open-chain polyazaalkanes. <i>Tetrahedron Letters</i> , 2001, 42, 4321-4323.   | 0.7 | 30        |
| 100 | Tuning of the electrochemical recognition of substrates as a function of the proton concentration in solution using pH-responsive redox-active receptor molecules. <i>Journal of the Chemical Society Dalton Transactions</i> , 1996, , 343-351.   | 1.1 | 29        |
| 101 | Glyphosate Detection by Means of a Voltammetric Electronic Tongue and Discrimination of Potential Interferents. <i>Sensors</i> , 2012, 12, 17553-17568.  | 2.1 | 29        |
| 102 | Monitoring grape ripeness using a voltammetric electronic tongue. <i>Food Research International</i> , 2013, 54, 1369-1375.  | 2.9 | 29        |
| 103 | Reaction of ferrocenecarbaldehyde with o-phenylenediamine. Crystal structure of N-ferrocenylmethyl-2-ferrocenyl-benzimidazole. <i>Journal of Organometallic Chemistry</i> , 1995, 503, 259-263.  | 0.8 | 28        |
| 104 | An electrochemical study in acetonitrile of macrocyclic or open-chain ferrocene-containing oxa-aza or polyaza receptors in the presence of protons, metal cations and anions. <i>Journal of Organometallic Chemistry</i> , 2001, 637-639, 151-158. | 0.8 | 28        |
| 105 | Chromo-fluorogenic sensing of pyrophosphate in aqueous media using silica functionalised with binding and reactive units. <i>Chemical Communications</i> , 2008, , 6531.   | 2.2 | 28        |
| 106 | Multi-channel receptors based on thiopyrylium functionalised with macrocyclic receptors for the recognition of transition metal cations and anions. <i>Dalton Transactions</i> , 2010, 39, 3449.   | 1.6 | 28        |
| 107 | Tetrathiafulvalene-Capped Hybrid Materials for the Optical Detection of Explosives. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 1538-1543.  | 4.0 | 28        |
| 108 | ATP Sensing with Anthryl-Functionalized Open-Chain Polyaza-alkanes. <i>Helvetica Chimica Acta</i> , 2002, 85, 1505.  | 1.0 | 27        |



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|-----|--|-----|-----------|
| 109 | New membrane perchlorate-selective electrodes containing polyazacycloalkanes as carriers. <i>Sensors and Actuators B: Chemical</i> , 2004, 101, 20-27.   | 4.0 | 27        |
| 110 | An electronic nose for the detection of Sarin, Soman and Tabun mimics and interfering agents. <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 31-37.   | 4.0 | 27        |
| 111 | Oxidative decarboxylation of naproxen. <i>Journal of Pharmaceutical Sciences</i> , 1992, 81, 479-482.  | 1.6 | 26        |
| 112 | Quantitative determination of metal ions and anions in aqueous solution by using pH-responsive redox-active receptors. <i>Chemical Communications</i> , 1997, , 887-888.   | 2.2 | 26        |
| 113 | Colorimetric Signaling of Large Aromatic Hydrocarbons via the Enhancement of Aggregation Processes. <i>Organic Letters</i> , 2005, 7, 2337-2339.   | 2.4 | 26        |
| 114 | Antioxidant activity and physicochemical parameters for the differentiation of honey using a potentiometric electronic tongue. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 2215-2222.  | 1.7 | 26        |
| 115 | Selective electrochemical recognition of mercury in water by a redox-functionalised aza-oxa crown derivative. <i>Chemical Communications</i> , 1998, , 837-838.  | 2.2 | 25        |
| 116 | Selective and sensitive chromo-fluorogenic sensing of anionic surfactants in water using functionalised silica nanoparticles. <i>Chemical Communications</i> , 2011, 47, 6873.   | 2.2 | 25        |
| 117 | Dyes That Bear Thiazolylazo Groups as Chromogenic Chemosensors for Metal Cations. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 76-84.  | 1.0 | 25        |
| 118 | Open-chain polyazaalkane ferrocene-functionalised receptors for the electrochemical recognition of anionic guests and metal ions in aqueous solution. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 3657-3662.  | 1.1 | 24        |
| 119 | Towards the Development of Colorimetric Probes to Discriminate between Isomeric Dicarboxylates. <i>Angewandte Chemie</i> , 2003, 115, 671-674.   | 1.6 | 24        |
| 120 | Determination of Bisulfites in Wines with an Electronic Tongue Based on Pulse Voltammetry. <i>Electroanalysis</i> , 2009, 21, 612-617.   | 1.5 | 24        |
| 121 | Antibody-Capped Mesoporous Nanoscopic Materials: Design of a Probe for the Selective Chromo-Fluorogenic Detection of Finasteride. <i>ChemistryOpen</i> , 2012, 1, 251-259.   | 0.9 | 24        |
| 122 | Linear polyamines as carriers in thiocyanate-selective membrane electrodes. <i>Talanta</i> , 2006, 68, 1182-1189.  | 2.9 | 23        |
| 123 | Low-cost materials for boron adsorption from water. <i>Journal of Materials Chemistry</i> , 2012, 22, 25362.   | 6.7 | 23        |
| 124 | Ferrocene containing chelating ligands 3. Synthesis, spectroscopic characterization, electrochemical behaviour and interaction with metal ions of new ligands obtained by condensation of ferrocenecarboxaldehyde with 2-amino-benzoic acid derivatives. Crystal structures of 2-ferrocenylmethylamino-5-methyl-benzoic acid and 2-bis(ferrocenylmethyl)ammonium-5-methyl-benzoic acid perchlorate. <i>Inorganica Chimica Acta</i> , 1995, 231, 45-56. | 1.2 | 22        |
| 125 | A perchlorate-selective membrane electrode based on a Cu(ii) complex of the ligand 1,4,8,11-tetra(n-octyl)-1,4,8,11-tetraazacyclotetradecane. <i>Analyst</i> , The, 2002, 127, 387.  | 1.7 | 22        |
| 126 | Open-chain polyazaalkanes functionalised with pyrene groups as sensing fluorogenic receptors for metal ions. <i>Polyhedron</i> , 2002, 21, 1397-1404.  | 1.0 | 22        |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
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