

Darshak R Trivedi

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73
papers

1,591
citations

22
h-index

37
g-index

81
ext. papers

1,765
ext. citations

3.9
avg, IF

5.11
L-index

| # | Paper | IF | Citations |
|----|--|-----|-----------|
| 73 | Structure-property correlation of a new family of organogelators based on organic salts and their selective gelation of oil from oil/water mixtures. <i>Chemistry - A European Journal</i> , 2004 , 10, 5311-22 | 4.8 | 122 |
| 72 | Instant Gelation of Various Organic Fluids Including Petrol at Room Temperature by a New Class of Supramolecular Gelators. <i>Chemistry of Materials</i> , 2006 , 18, 1470-1478 | 9.6 | 102 |
| 71 | Hydrogen bonded supramolecular network in organic salts: crystal structures of acid-base salts of dicarboxylic acids and amines. <i>CrystEngComm</i> , 2002 , 4, 135-142 | 3.3 | 92 |
| 70 | An Easy To Prepare Organic Salt as a Low Molecular Mass Organic Gelator Capable of Selective Gelation of Oil from Oil/Water Mixtures. <i>Chemistry of Materials</i> , 2003 , 15, 3971-3973 | 9.6 | 84 |
| 69 | Supramolecular assemblies in salts and co-crystals of imidazoles with dicarboxylic acids. <i>CrystEngComm</i> , 2003 , 5, 358 | 3.3 | 69 |
| 68 | New Series of Organogelators Derived from a Combinatorial Library of Primary Ammonium Monocarboxylate Salts. <i>Chemistry of Materials</i> , 2006 , 18, 3795-3800 | 9.6 | 64 |
| 67 | Structural Studies of a New Low Molecular Mass Organic Gelator for Organic Liquids Based on Simple Salt. <i>Chemistry of Materials</i> , 2003 , 15, 2136-2140 | 9.6 | 64 |
| 66 | Ascertaining the 1D Hydrogen-Bonded Network in Organic Ionic Solids. <i>Crystal Growth and Design</i> , 2005 , 5, 1545-1553 | 3.5 | 63 |
| 65 | Bovine serum albumin catalyzed one-pot, three-component synthesis of dihydropyrano[2,3-c]pyrazole derivatives in aqueous ethanol. <i>RSC Advances</i> , 2016 , 6, 14868-14879 | 3.7 | 48 |
| 64 | Supramolecular synthons in noncovalent synthesis of a class of gelators derived from simple organic salts: instant gelation of organic fluids at room temperature via in situ synthesis of the gelators. <i>Journal of Organic Chemistry</i> , 2009 , 74, 7111-21 | 4.2 | 47 |
| 63 | Facile preparation and structure-property correlation of low molecular mass organic gelators derived from simple organic salts. <i>Journal of Materials Chemistry</i> , 2005 , 15, 2606 | | 43 |
| 62 | A new colorimetric chemosensors for Cu and Cd ions detection: Application in environmental water samples and analytical method validation. <i>Analytica Chimica Acta</i> , 2017 , 972, 81-93 | 6.6 | 39 |
| 61 | An easy access to an organometallic low molecular weight gelator: a crystal engineering approach. <i>Tetrahedron Letters</i> , 2008 , 49, 3052-3055 | 2 | 38 |
| 60 | Supramolecular Hydrogen Bond Isomerism in Organic Salts: A Transition from 0D to 1D. <i>Crystal Growth and Design</i> , 2006 , 6, 1022-1026 | 3.5 | 37 |
| 59 | Cation-Induced Supramolecular Isomerism in the Hydrogen-Bonded Network of Secondary Ammonium Monocarboxylate Salts: A New Class of Organo Gelator and Their Structures. <i>Crystal Growth and Design</i> , 2006 , 6, 2114-2121 | 3.5 | 36 |
| 58 | Aminophenol based colorimetric chemosensor for naked-eye detection of biologically important fluoride and acetate ions in organo-aqueous medium: Effective and simple anion sensors. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 353, 507-520 | 4.7 | 32 |
| 57 | Pharmaceutical Co-Crystal of Flufenamic Acid: Synthesis and Characterization of Two Novel Drug-Drug Co-Crystal. <i>Journal of Pharmaceutical Sciences</i> , 2017 , 106, 1384-1390 | 3.9 | 25 |

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| 56 | A catalyst- and solvent-free three-component reaction for the regioselective one-pot access to polyfunctionalized pyrroles. <i>Tetrahedron Letters</i> , 2013 , 54, 5577-5582 | 2 | 25 |
| 55 | From nonfunctional lamellae to functional nanotubes. <i>Organic Letters</i> , 2006 , 8, 1271-4 | 6.2 | 23 |
| 54 | Naked-eye detection of inorganic fluoride ion in aqueous media using base labile proton: A different approach. <i>Journal of Fluorine Chemistry</i> , 2014 , 160, 1-7 | 2.1 | 22 |
| 53 | Crystal engineering approach to design colorimetric indicator array to discriminate positional isomers of aromatic organic molecules. <i>Chemistry - an Asian Journal</i> , 2009 , 4, 254-61 | 4.5 | 22 |
| 52 | Noncovalent Syntheses of Supramolecular Organo Gelators. <i>Crystal Growth and Design</i> , 2006 , 6, 763-768 | 3.5 | 22 |
| 51 | Selective colorimetric chemosensor for the detection of Hg ²⁺ and arsenite ions using Isatin based Schiff's bases; DFT Studies and Applications in test strips. <i>Sensors and Actuators B: Chemical</i> , 2019 , 284, 271-280 | 8.5 | 21 |
| 50 | Hg induced hydrolysis of thiazole amine based Schiff base: Colorimetric and fluorogenic chemodosimeter for Hg ions in an aqueous medium. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 218, 19-26 | 4.4 | 20 |
| 49 | Colorimetric receptors for naked eye detection of inorganic fluoride ion in aqueous media using ICT mechanism. <i>RSC Advances</i> , 2012 , 2, 10499 | 3.7 | 20 |
| 48 | Condensation of malononitrile with salicylaldehydes and o-aminobenzaldehydes revisited: solvent and catalyst free synthesis of 4H-chromenes and quinolines. <i>RSC Advances</i> , 2012 , 2, 10556 | 3.7 | 20 |
| 47 | A Practical Approach To Produce Near-Spherical Common Salt Crystals with Better Flow Characteristics. <i>Crystal Growth and Design</i> , 2006 , 6, 1591-1594 | 3.5 | 20 |
| 46 | Selective detection of mercury ions using benzothiazole based colorimetric chemosensor. <i>Inorganic Chemistry Communication</i> , 2016 , 74, 1-5 | 3.1 | 20 |
| 45 | Multi-signaling thiocarbohydrazide based colorimetric sensors for the selective recognition of heavy metal ions in an aqueous medium. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 180, 175-182 | 4.4 | 19 |
| 44 | A Naked-eye Colorimetric Indicator to Discriminate Aromatic Compounds by Solid-state Charge-transfer Complexation. <i>Chemistry Letters</i> , 2008 , 37, 550-551 | 1.7 | 18 |
| 43 | Solid-State Versatility of the Molecular Salts/Cocrystals of 2-Chloro-4-nitrobenzoic Acid: A Case Study on Halogen Bonds. <i>ACS Omega</i> , 2017 , 2, 7146-7162 | 3.9 | 15 |
| 42 | The hierarchies of hydrogen bonds in salts/cocrystals of isoniazid and its Schiff base: A case study. <i>RSC Advances</i> , 2016 , 6, 15868-15876 | 3.7 | 15 |
| 41 | Dual colorimetric receptor with logic gate operations: anion induced solvatochromism. <i>New Journal of Chemistry</i> , 2014 , 38, 1484 | 3.6 | 15 |
| 40 | Cocrystals of Ethenzamide: Study of Structural and Physicochemical Properties. <i>Crystal Growth and Design</i> , 2016 , 16, 4473-4481 | 3.5 | 15 |
| 39 | Salt/Cocrystal of Anti-Fibrinolytic Hemostatic Drug Tranexamic acid: Structural, DFT, and Stability Study of Salt/Cocrystal with GRAS Molecules. <i>Crystal Growth and Design</i> , 2019 , 19, 347-361 | 3.5 | 14 |

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| 38 | Highly Efficient Regioselective Synthesis of 2-Imino-4-oxothiazolidin-5-ylidene Acetates via a Substitution-Dependent Cyclization Sequence under Catalyst-Free Conditions at Ambient Temperature. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 9675-9682 | 3.9 | 13 |
| 37 | Photophysical and electrochemical properties of organic molecules: Solvatochromic effect and DFT studies. <i>Optical Materials</i> , 2018 , 77, 211-220 | 3.3 | 13 |
| 36 | Colorimetric anion sensors based on positional effect of nitro group for recognition of biologically relevant anions in organic and aqueous medium, insight real-life application and DFT studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 188, 596-610 | 4.4 | 13 |
| 35 | Cocrystal of nutraceutical sinapic acid with Active Pharmaceutical Ingredients ethenzamide and 2-chloro-4-Nitrobenzoic acid: Equilibrium solubility and stability study. <i>Journal of Molecular Structure</i> , 2018 , 1171, 898-905 | 3.4 | 13 |
| 34 | Pharmaceutical salts of ethionamide with GRAS counter ion donors to enhance the solubility. <i>European Journal of Pharmaceutical Sciences</i> , 2017 , 96, 578-589 | 5.1 | 13 |
| 33 | 'Naked-eye' detection of biologically important anions in aqueous media by colorimetric receptor and its real life applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 179, 95-103 | 4.4 | 12 |
| 32 | Synthesis of cocrystals/salts of flucytosine: Structure and stability. <i>New Journal of Chemistry</i> , 2018 , 42, 5433-5446 | 3.6 | 12 |
| 31 | Hydrazinylpyridine based highly selective optical sensor for aqueous source of carbonate ions: Electrochemical and DFT studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 193, 330-337 | 4.4 | 12 |
| 30 | Structural and physicochemical characterization of pyridine derivative salts of anti-inflammatory drugs. <i>Journal of Molecular Structure</i> , 2017 , 1141, 64-74 | 3.4 | 10 |
| 29 | An Efficient Three-component, One-pot Synthesis of Quinazolines under Solvent-free and Catalyst-free Condition. <i>Journal of Heterocyclic Chemistry</i> , 2015 , 52, 1253-1259 | 1.9 | 9 |
| 28 | Fast and efficient synthesis of N-substituted α -aminobutyric acids by grinding at room temperature. <i>Environmental Chemistry Letters</i> , 2013 , 11, 91-97 | 13.3 | 9 |
| 27 | Substituent effect on colorimetric detection of biologically and environmentally relevant anions: Insight in real-life applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 219, 517-529 | 4.4 | 8 |
| 26 | Spectroscopic studies of colorimetric receptors for detection of biologically important inorganic F^- , AcO^- and $H_2PO_4^-$ anions in organo-aqueous medium: Real-life application. <i>Inorganic Chemistry Communication</i> , 2020 , 115, 107874 | 3.1 | 8 |
| 25 | Identification of robust synthon in the molecular salts of 2-aminothiazole with substituted benzoic acids: A case study. <i>Journal of Chemical Sciences</i> , 2014 , 126, 1291-1302 | 1.8 | 8 |
| 24 | Design and synthesis new colorimetric receptors for naked-eye detection of biologically important fluoride and acetate anions in organic and arsenite in aqueous medium based on ICT mechanism: DFT study and test strip application. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 225, 117522 | 4.4 | 8 |
| 23 | Insights into the electrooptical anion sensing properties of a new organic receptor: solvent dependent chromogenic response and DFT studies. <i>RSC Advances</i> , 2016 , 6, 74649-74653 | 3.7 | 7 |
| 22 | Design and synthesis of a new organic receptor and evaluation of colorimetric anion sensing ability in organo-aqueous medium. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 170, 29-38 | 4.4 | 6 |
| 21 | Photophysics of proton transfer in hydrazides: a combined theoretical and experimental analysis towards OLED device application. <i>New Journal of Chemistry</i> , 2019 , 43, 10413-10428 | 3.6 | 6 |

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| 20 | A highly efficient and green cascade synthesis of 3-methyl-substituted-4-hydroxy-1-methyl-quinolin-2(1H)-ones under solvent- and catalyst-free conditions. <i>RSC Advances</i> , 2014 , 4, 11300 | 3.7 | 6 |
| 19 | Chemosensor Based on Hydrazinyl Pyridine for Selective Detection of F ⁻ Ion in Organic Media and CO ₃ ²⁻ Ions in Aqueous Media: Design, Synthesis, Characterization and Practical Application. <i>ChemistrySelect</i> , 2019 , 4, 14120-14131 | 1.8 | 6 |
| 18 | Electrooptical characteristics and anion binding behaviour of organic receptors: Effect of substitution on colorimetric response. <i>Sensors and Actuators B: Chemical</i> , 2017 , 247, 673-680 | 8.5 | 5 |
| 17 | Spectral and DFT studies of anion bound organic receptors: Time dependent studies and logic gate applications. <i>Beilstein Journal of Organic Chemistry</i> , 2017 , 13, 222-238 | 2.5 | 5 |
| 16 | Multicoloured Thiophene Based AIEgens: Single Crystal Structure Elucidation, Spectral Behaviour and DFT Studies. <i>ChemistrySelect</i> , 2018 , 3, 3803-3813 | 1.8 | 4 |
| 15 | Colorimetric and fluorometric turn-on sensor for selective detection of fluoride ions: sol-gel transition studies and theoretical insights. <i>New Journal of Chemistry</i> , 2018 , 42, 10406-10413 | 3.6 | 4 |
| 14 | A new colorimetric receptor for selective detection of maleate vs. fumarate and ratiometric detection of F ⁻ ions. <i>Analytical Methods</i> , 2014 , 6, 3817 | 3.2 | 4 |
| 13 | Receptor with an Active Methylene Group as Binding Site for Extraction of Inorganic Fluoride Ions from Seawater. <i>ChemPlusChem</i> , 2014 , 79, 1001-1008 | 2.8 | 4 |
| 12 | Synthesis and spectral investigation of colorimetric receptors for the dual detection of copper and acetate ions: application in molecular logic gates. <i>Supramolecular Chemistry</i> , 2017 , 29, 561-574 | 1.8 | 3 |
| 11 | Screening of chitin deacetylase producing microbes from marine source using a novel receptor on agar plate. <i>International Journal of Biological Macromolecules</i> , 2019 , 131, 716-720 | 7.9 | 3 |
| 10 | Exploring the possibilities of double proton transfer in hydrazides: A theoretical approach. <i>Journal of Physical Organic Chemistry</i> , 2019 , 32, e4003 | 2.1 | 3 |
| 9 | Bithiophene based red light emitting material - Photophysical and DFT studies 2019 , | | 2 |
| 8 | Functionalized pyrene-based AIEgens: synthesis, photophysical characterization and density functional theory studies. <i>Luminescence</i> , 2019 , 34, 715-723 | 2.5 | 2 |
| 7 | 4-Nitro-benzoic acid-sulfa-thia-zole (1/1). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014 , 70, o85-6 | | 2 |
| 6 | Design, Synthesis and Characterization of N-Substituted Heteroaromatics: DFT-Studies and Organic Light Emitting Device Application. <i>ChemistrySelect</i> , 2020 , 5, 5903-5915 | 1.8 | 2 |
| 5 | Electroanalytical and spectral investigation of organic receptors as colorimetric and absorption ratiometric anion chemosensor. <i>Supramolecular Chemistry</i> , 2018 , 30, 103-114 | 1.8 | 2 |
| 4 | Smart Colorimetric Chemosensors for Multi-Analyte Signaling: Recognition of Heavy Metal Ions in an Aqueous Medium and DFT Studies. <i>ChemistrySelect</i> , 2020 , 5, 5289-5299 | 1.8 | 1 |
| 3 | Aggregation-induced emission in thiophene derivatives. <i>ISSS Journal of Micro and Smart Systems</i> , 1 | 0.9 | 1 |

- 2 Design and synthesis of malonohydrazide based colorimetric receptors for discrimination of maleate over fumarate and detection of F, AcO and AsO ions. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 229, 117883 4.4 1
- 1 Recent advances in the fluorescent and colorimetric detection of dihydrogen phosphate. *Supramolecular Chemistry*, 1-34 1.8