

# B Narayana

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Colorimetric sensor based on hydrazine moiety for rapid and selective detection of fluoride ion via intramolecular charge transfer. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 2681-2699.	1.8	4
2	A versatile rhodamine B-derived fluorescent probe for selective copper(II) sensing. <i>Inorganic Chemistry Communication</i> , 2022, 141, 109501.	1.8	18
3	Crystallographic and theoretical interpretation of supramolecular architecture in a new salt hydrate of DL-Tartaric acid and Dimethylamine (DLTA-DA). <i>Journal of Molecular Structure</i> , 2021, 1225, 129284.	1.8	5
4	A facile synthesis of pyrano[2,3-d:6,5-d']dipyrimidines via microwave-assisted multicomponent reactions catalyzed by $\beta$ -cyclodextrin. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 724-736.	1.4	7
5	Colorimetric and fluorescent probe for selective detection of toxic Hg <sup>2+</sup> based on rhodamine and its application for in-vivo bioimaging. <i>Microchemical Journal</i> , 2021, 166, 106233.	2.3	19
6	Colorimetric "naked eye" sensor for fluoride ion based on isatin hydrazones via hydrogen bond formation: Design, synthesis and characterization ascertained by Nuclear Magnetic Resonance, Ultraviolet-Visible, Computational and Electrochemical studies. <i>Inorganic Chemistry Communication</i> , 2020, 121, 108216.	1.8	22
7	Quantum chemical studies of molecular structure, vibrational spectra and nonlinear optical properties of p-iodoaniline and p-bromoaniline. <i>Journal of Molecular Structure</i> , 2020, 1222, 128939.	1.8	10
8	A highly selective chemosensor derived from benzamide hydrazones for the detection of cyanide ion in organic and organic-aqueous media: design, synthesis, sensing and computational studies. <i>Supramolecular Chemistry</i> , 2020, 32, 433-444.	1.5	12
9	Nitrate/Nitrite determination in water and soil samples accompanied by in situ azo dye formation and its removal by superabsorbent cellulose hydrogel. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	7
10	A study on interwoven hydrogen bonding interactions in new zidovudine-picric acid (1:1) cocrystal through single crystal XRD, spectral and computational methods. <i>Journal of Molecular Structure</i> , 2020, 1211, 128052.	1.8	13
11	Do hydrogen bonding and noncovalent interactions stabilize nicotinamide-picric acid cocrystal supramolecular assembly?. <i>Journal of Molecular Structure</i> , 2019, 1195, 827-838.	1.8	12
12	Aromatic aldehyde based chemosensors for fluoride and cyanide detection in organic and aqueous media: Ascertained by characterization, spectroscopic and DFT studies. <i>Inorganica Chimica Acta</i> , 2019, 494, 245-255.	1.2	25
13	Crystal Packing Analysis of Picric Acid, Phthalazone and their Cocrystal using Hirshfeld Computational Studies. <i>Advanced Materials Proceedings</i> , 2019, 4, ICMS 18-JP-13-ICMS 18-JP-13.	0.2	1
14	Synthesis of novel Schiff base benzamides via ring opening of thienylidene azlactones for potential antimicrobial activities. <i>Research on Chemical Intermediates</i> , 2018, 44, 4179-4194.	1.3	2
15	Design, synthesis, molecular docking and biological evaluation of imides, pyridazines, and imidazoles derived from itaconic anhydride for potential antioxidant and antimicrobial activities. <i>Journal of Taibah University for Science</i> , 2016, 10, 823-838.	1.1	18
16	Synthesis, molecular docking and biological evaluation of novel bis-pyrazole derivatives for analgesic, anti-inflammatory and antimicrobial activities. <i>Medicinal Chemistry Research</i> , 2015, 24, 4191-4206.	1.1	11
17	Design and synthesis of novel heterocyclic acetamide derivatives for potential analgesic, anti-inflammatory, and antimicrobial activities. <i>Medicinal Chemistry Research</i> , 2014, 23, 4280-4294.	1.1	11
18	Orphenadrinium picrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o190-o191.	0.2	2

#	ARTICLE	IF	CITATIONS
19	The Crystal Structure of Fluphenazinium Dipicrate Dimethylsulphoxide Solvate. <i>Journal of Chemical Crystallography</i> , 2010, 40, 970-974.	0.5	5
20	Chlorimipraminium picrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o347-o348.	0.2	2
21	Opipramol dipicrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o1979-o1980.	0.2	4
22	Bis[4-(4-chlorophenyl)-4-hydroxypiperidinium] dipicrate dimethyl sulfoxide solvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o1212-o1213.	0.2	1
23	Fluconazolium picrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o2568-o2568.	0.2	4
24	Imatinibium dipicrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o411-o412.	0.2	6
25	4-(2-Chloroethyl)morpholinium picrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o2435-o2435.	0.2	2
26	Propiverinium picrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o1738-o1739.	0.2	7
27	4-(4-Chlorophenyl)-1-[3-(4-fluorobenzoyl)propyl]-4-hydroxypiperidin-1-ium 2,4,6-trinitrophenolate (haloperidol picrate). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o2403-o2404.	0.2	3
28	4-(4-Carboxybenzyl)-1-methylpiperazin-1-ium picrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o518-o518.	0.2	1
29	Gabapentinium picrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o783-o783.	0.2	2
30	2-Aminopyrimidinium picrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o117-o118.	0.2	5
31	Imipraminium picrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o3143-o3143.	0.2	8
32	5-Bromo-3-(methylaminocarbonyl)pyridinium picrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o4181-o4181.	0.2	3
33	Desipraminium picrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o4919-o4919.	0.2	16
34	Synthesis of some new substituted triazolo [4,3-a][1,4] benzodiazepine derivatives as potent anticonvulsants. <i>European Journal of Medicinal Chemistry</i> , 2006, 41, 417-422.	2.6	47
35	An Easy Spectrophotometric Method for the Determination of Hypochlorite Using Thionin. <i>Journal of Analytical Chemistry</i> , 2005, 60, 706-709.	0.4	27
36	A New Spectrophotometric Method for the Determination of Arsenic in Environmental and Biological Samples. <i>Analytical Letters</i> , 2005, 38, 2207-2216.	1.0	20

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37	Synthesis of some new 5-(2-substituted-1,3-thiazol-5-yl)-2-hydroxy benzamides and their 2-alkoxy derivatives as possible antifungal agents. <i>European Journal of Medicinal Chemistry</i> , 2004, 39, 867-872.	2.6	78
38	Determination of nitrite by simple diazotization method. <i>Microchemical Journal</i> , 2003, 74, 27-32.	2.3	43
39	Isomers of Biologically Active 2-Aminopyrimidinium Picrate through Intrinsic Reaction Coordinate Analysis and Spectroscopic Measurements. <i>Polycyclic Aromatic Compounds</i> , 0, , 1-12.	1.4	0
40	Stabilization of the DMSO Solvate of 2-Chloro-5-nitrobenzoic acid (Mesalazine Impurity M) by Bifurcated Hydrogen Bonds: Crystallographic, Spectroscopic, Thermal and Computational Studies. <i>Journal of Chemical Crystallography</i> , 0, , 1.	0.5	0
41	A simple method for the spectrophotometric determination of cephalosporins in pharmaceuticals using variamine blue. <i>Eletica Quimica</i> , 0, 33, 41.	0.2	0
42	NEW REAGENTS FOR THE SPECTROPHOTOMETRIC DETERMINATION OF RANITIDINE HYDROCHLORIDE. <i>Eletica Quimica</i> , 0, 35, 109.	0.2	1
43	SPECTROPHOTOMETRIC DETERMINATION OF NEVIRAPINE USING TETRATHIOCYANATOCOBALT(II) ION AS A REAGENT. <i>Eletica Quimica</i> , 0, 35, 93.	0.2	0