Suryaprakash Nagarajarao

List of Publications by Year
in descending order

32	598	516561 16	610775 24
papers	citations	h-index	g-index

33	33	33	585
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Competing HB acceptors: an extensive NMR investigations corroborated by single crystal XRD and DFT calculations. RSC Advances, 2021, 11, 15195-15202.	1.7	2
2	Intramolecular hydrogen bond directed distribution of conformational populations in the derivatives of Nâ€²-benzylidenebenzohydrazide. New Journal of Chemistry, 2019, 43, 13134-13142.	1.4	9
3	Retention of strong intramolecular hydrogen bonds in high polarity solvents in binaphthaleneâ€“benzamide derivatives: extensive NMR studies. RSC Advances, 2019, 9, 32759-32770.	1.7	8
4	Intramolecular Hydrogen Bonding Appetency for Conformational Penchants in Oxalohydrazide Fluoro Derivatives: NMR, MD, QTAIM, and NCI Studies. Journal of Physical Chemistry A, 2018, 122, 2703-2713.	1.1	7
5	A simple ternary ion-pair complexation protocol for testing the enantiopurity and the absolute configurational analysis of acid and ester derivatives. New Journal of Chemistry, 2018, 42, 9920-9929.	1.4	3
6	Intramolecular hydrogen bond directed stable conformations of benzoyl phenyl oxalamides: unambiguous evidence from extensive NMR studies and DFT-based computations. RSC Advances, 2018, 8, 11230-11240.	1.7	18
7	Orchestrated approaches using pure shift NMR: Extraction of spectral parameters, ultraâ€high resolution, and sensitivity enhancement. Magnetic Resonance in Chemistry, 2018, 56, 893-909.	1.1	6
8	Intramolecular HB Interactions Evidenced in Dibenzoyl Oxalamide Derivatives: NMR, QTAIM, and NCI Studies. Journal of Physical Chemistry A, 2018, 122, 199-208.	1.1	15
9	Assignment of the absolute configuration of hydroxy acids using 1H NMR spectroscopy: a simple and rapid approach. Tetrahedron: Asymmetry, 2017, 28, 250-256.	1.8	9
10	Clean G-SERF an NMR experiment for the complete eradication of axial peaks and undesired couplings from the complex spectrum. RSC Advances, 2017, 7, 735-741.	1.7	25
11	Pure shift edited ultra high resolution NMR spectrum with complete eradication of axial peaks and unwanted couplings. Journal of Magnetic Resonance, 2017, 279, 74-80.	1.2	24
12	Intramolecular Hydrogen Bonding Involving Organic Fluorine: NMR Investigations Corroborated by DFT-Based Theoretical Calculations. Molecules, 2017, 22, 423.	1.7	55
13	Two- and Three-Centered Hydrogen Bonds Involving Organic Fluorine Stabilize Conformations of Hydrazide Halo Derivatives: NMR, IR, QTAIM, NCI, and Theoretical Evidence. Journal of Physical Chemistry A, 2016, 120, 7810-7816.	1.1	13
14	Facile synthesis of Graphene Oxide/Double-stranded DNA composite liquid crystals and Hydrogels. Journal of Chemical Sciences, 2016, 128, 325-330.	0.7	8
15	Three centered hydrogen bonds of the type Cî€Oâ‹¯H(N)â‹¯Xâ€“C in diphenyloxamide derivatives involving halogens and a rotating CF₃ group: NMR, QTAIM, NCI and NBO studies. Physical Chemistry Chemical Physics, 2015, 17, 7528-7536.	1.3	16
16	A simple and rapid approach for testing enantiopurity of hydroxy acids and their derivatives using ¹H NMR spectroscopy. RSC Advances, 2015, 5, 67277-67283.	1.7	14
17	Intramolecular hydrogen bonds involving organic fluorine in the derivatives of hydrazides: an NMR investigation substantiated by DFT based theoretical calculations. Physical Chemistry Chemical Physics, 2015, 17, 15226-15235.	1.3	17
18	Jâ€Edited Pure Shift NMR for the Facile Measurement of ⁿJ_{HH} for Specific Protons. ChemPhysChem, 2015, 16, 1079-1082.	1.0	24

#	Article	IF	Citations
19	Study of H/D exchange rates to derive the strength of intramolecular hydrogen bonds in halo substituted organic building blocks: An NMR spectroscopic investigation. Chemical Physics Letters, 2015, 639, 254-260.	1.2	7
20	Quick measurement of 1Hâ€“19F scalar couplings from the complex NMR spectra by real-time spin edition. Chemical Physics Letters, 2015, 640, 157-160.	1.2	13
21	Organic fluorine involved intramolecular hydrogen bonds in the derivatives of imides: NMR evidence corroborated by DFT based theoretical calculations. RSC Advances, 2015, 5, 86013-86022.	1.7	21
22	Quick re-introduction of selective scalar interactions in a pure-shift NMR spectrum. Chemical Communications, 2014, 50, 15597-15600.	2.2	50
23	A three-component protocol for the enantiodifferentiation of amines using triphenyl borate and BINOL: is it an ion pair or an amine-coordinated complex?. Tetrahedron: Asymmetry, 2014, 25, 705-708.	1.8	5
24	In situ approach for testing the enantiopurity of chiral amines and amino alcohols by¹H NMR. Organic and Biomolecular Chemistry, 2014, 12, 495-502.	1.5	29
25	Pure shift NMR approach for fast and accurate extraction of heteronuclear couplings. RSC Advances, 2014, 4, 15018-15021.	1.7	20
26	Sensitivity enhancement in slice-selective NMR experiments through polarization sharing. Chemical Communications, 2014, 50, 8550-8553.	2.2	31
27	Ternary ion-pair complexation: a protocol for chiral discrimination and the assignment of absolute configuration of chiral hydroxy acids. New Journal of Chemistry, 2013, 37, 4025.	1.4	29
28	Engagement of CF₃ Group in Nâ€“HÂ·Â·Â·Fâ€“C Hydrogen Bond in the Solution State: NMR Spectroscopy and MD Simulation Studies. Journal of Physical Chemistry B, 2013, 117, 1123-1129.	1.2	42
29	C-HETSERF: distinction of cis/trans-isomers and measurement of long range couplings between chemically equivalent nuclei in polycyclic aromatic hydrocarbons. RSC Advances, 2012, 2, 12915.	1.7	5
30	Intra-molecular hydrogen bonding with organic fluorine in the solution state: Deriving evidence by a two dimensional NMR experiment. Chemical Physics Letters, 2012, 525-526, 129-133.	1.2	18
31	Nâ€“Hâ‹¯F hydrogen bonds in fluorinated benzanilides: NMR and DFT study. Physical Chemistry Chemical Physics, 2010, 12, 13232.	1.3	49
32	Identification of Heroin in Street Doses Using 1D-TOCSY Nuclear Magnetic Resonance. Journal of Forensic Sciences, 2000, 45, 963-967.	0.9	3