

## List of Publications: Row, T. N. G.

### 2017

460. Pramanik, T.; Pavan, M. S.; **Row, T. N. G.** "Do halogen bonds dictate the packing preferences in solid solutions?", *Faraday Discussions* **2017**, DOI: 10.1039/C7FD00084G.
459. Sharma, V.; Swain, D.; **Row, T. N. G.** "Superionic behavior and phase transition in a vanthoffite mineral". *Inorganic Chemistry* **2017**, *56* (11), 6048-6051.
458. Saripalli, K. R.; Swain, D.; Prasad, D.; Nhalil, H.; Bhat, H. L.; **Row, T. N. G.**; Elizabeth S. " Observation of ferroelectric phase and large spontaneous electric polarization in organic salt of diisopropylammonium iodide". *J. Appl. Phys.* **2017**, *121*, 114101.
457. Ganduri, R; CherukuvadaS; Sarkar, S; **Row, T. N. G.** " Manifestation of cocrystals and eutectics among structurally related molecules: towards understanding the factors that control their formation" *CrystEngComm* **2017**, *19*, 1123-1132.
456. Sarkar, S.; **Row, T. N. G.** "A heuristic approach to evaluate *peri* interactions versus intermolecular interactions in an overcrowded naphthalene" *IUCrJ* **2017**, *4*, 37–49.

### 2016

455. Cherukuvada, S.; Kaur, R.; **Row, T. N. G.** "Co-crystallization and small molecule crystal form diversity: from pharmaceutical to materials applications" *CrystEngComm* **2016**, *18*, 8528–8555.
454. Pavan, M. S.; **Row, T. N. G.** "Analysis of an unusual hetero-halogen bonded trimer using charge density analysis: A case of concerted type I Br···Br and type II Br··· Cl interactions" *J. Chem. Sci.* **2016**, *128*, 1579–1587.
453. Sharada, G.; Mahale, P.; Kore, B. P.; Mukherjee, S.; Pavan, M. S.; De, C.; Ghara, S.; Sundaresan, A.; Pandey, A.; **Row, T. N. G.**; Sarma, D. D. "Is CH<sub>3</sub>NH<sub>3</sub>PbI<sub>3</sub> Polar?" *J. Phys. Chem. Lett.* **2016**, 2412-2419.
452. Kaur, R.; Cherukuvada, S.; Managutti, P. B.; **Row, T. N. G.** "A gallic acid- succinimide co-crystal landscape: polymorphism, pseudopolymorphism, variable stoichiometry co-crystals and concomitant growth of non-solvated and solvated co-crystals" *CrystEngComm* **2016**, *18*, 3191-3203.
451. Sarkar, S.; Pavan, M. S.; Cherukuvada, S.; **Row, T. N. G.** "Acetazolamide polymorphism: a case of hybridization induced polymorphism?" *Chem. Commun.* **2016**, *52*, 5820-5823.
450. Prabhu, G.; Nagendra, G.; Sagar, N. R.; Pal, R.; **Row, T. N. G.**; Sureshbabu, V. V. "A Facile Synthesis of 1,5 -Disubstituted Tetrazole Peptidomimetics by Desulfurization/Electrocyclization of Thiopeptides" *Asian J. Org. Chem.* **2016**, *5*, 127-137.
449. Sudharsana, N.; Sharma, A.; Kus, N.; Fausto, R.; Luisa Ramos, M.; Krishnakumar, V.; Pal, R.; **Row, T. N. G.**; Nagalakshmi, R. "Low temperature FTIR, Raman, NMR spectroscopic and theoretical study of hydroxyethylammonium picrate" *J. Mol. Struct.* **2016**, *1104*, 40-51.

### 2015

448. Pal, R.; Nagendra, G.; Samarasimhareddy, M.; Sureshbabu, V. V.; **Row, T. N. G.**, —Observation of a reversible isomorphous phase transition and an interplay of "  $\sigma$ - holes and "  $\pi$ -holes" in

Fmoc-Leu-[ $\Psi$ ][CH<sub>2</sub>-NCS].|| *Chem. Commun.* **2015**, *51*, 933-936

447. Sarkar, S.; Pavan, M. S.; **Row, T. N. G.**, —Experimental validation of 'Pnicogen Bonding' in Nitrogen from charge density analysis.|| *Phys. Chem. Chem. Phys.* **2015**, *17*, 2330-2334
446. Kaur, R.; Ponraj, B.; Swain, D.; Varma, K. B. R.; **Row, T. N. G.** "Anomalous Dielectric Features and Structural Implications in Gallic Acid-Isoniazid Cocystal Mediated by Lattice Water" *Cryst. Growth Des.* **2015**, *15*, 4171-4176.
445. Pavan, M. S.; Jana, A. K.; Natarajan, S.; **Row, T. N. G.** "Halogen Bonding and Chalcogen Bonding in 4,7-Dibromo-5, 6-dinitro-2,1,3-benzothiadiazole" *J. Phys. Chem. B* **2015**, *119*, 11382-11390.
444. Ganduri, R.; Cherukuvada, S.; **Row, T. N. G.** "Multicomponent Adducts of Pyridoxine: An Evaluation of the Formation of Eutectics and Molecular Salts" *Cryst. Growth Des.* **2015**, *15*, 3474-3480.
443. Kaur, R.; Gautam, R.; Cherukuvada, S.; **Row, T. N. G.** "Do carboximide-carboxylic acid combinations form co-crystals? The role of hydroxyl substitution on the formation of co-crystals and eutectics" *IUCrJ* **2015**, *2*, 341-351.
442. Thomas, S. P.; Veccham, S. P. K. P.; Farrugia, L. J.; **Row, T. N. G.** "'Conformational Simulation" of Sulfamethizole by Molecular Complexation and Insights from Charge Density Analysis: Role of Intramolecular S center dot center dot center dot O Chalcogen Bonding" *Cryst. Growth Des.* **2015**, *15*, 2110-2118.

441. Madhu, C.; Prabhu, G.; Pal, R.; **Row, T. N. G.**; Sureshbabu, V. V. "Synthesis of Optically Active 2-Amino-1,3,4-oxadiazoles and their Hybrid Peptides" *J. Heterocycl. Chem.* **2015**, *52*, 1438-1446.
440. Thomas, S. P.; Satheeshkumar, K.; Muges, G.; **Row, T. N. G.** "Unusually Short Chalcogen Bonds Involving Organoselenium: Insights into the Se -N Bond Cleavage Mechanism of the Antioxidant Ebselen and Analogues" *Chem. Eur. J.* **2015**, *21*, 6793-6800.
439. Harisha, A. S.; Nayak, S. P.; Nagarajan, K.; **Row, T. N. G.**; Hosamani, A. A. "Novel triethylamine mediated thermal reactions of 3-aryl-2-cyanoprop- 2-enoic acid derivatives-demethylation, reduction and vinylogation" *Tetrahedron Letters* **2015**, *56*, 1427-1431.
438. Prasad, K. D.; Cherukuvada, S.; Ganduri, R.; Stephen, L. D.; Perumalla, S.; **Row, T. N. G.** "Differential Cococrystallization Behavior of Isomeric Pyridine Carboxamides toward Antitubercular Drug Pyrazinoic Acid" *Cryst. Growth Des.* **2015**, *15*, 858-866.
437. Jose, G.; Kumara, T. H. S.; Nagendrappa, G.; Sowmya, H. B. V.; Sriram, D.; Yogeeswari, P.; Sridevi, J. P.; **Row, T. N. G.**; Hosamani, A. A.; Ganapathy, P. S. S.; Chandrika, N.; Narendra, L. V. "Synthesis, molecular docking and anti-mycobacterial evaluation of new imidazo 1,2-a pyridine-2-carboxamide derivatives" *Eur. J. Med. Chem.* **2015**, *89*, 616-627.
436. Pete, U. D.; Dikundwar, A. G.; Sharma, V. M.; Gejji, S. P.; Bendre, R. S.; **Row, T. N. G.** "Partial rotation of the isopropyl group in the solid state: single-crystal-to-single-crystal phase transformation in a carvacrol derivative" *CrystEngComm* **2015**, *17*, 7482-7485.
435. Thomas, S. P.; Jayatilaka, D.; **Row, T. N. G.** "S center dot center dot center dot O chalcogen bonding in sulfa drugs: insights from multipole charge density and X-ray wavefunction of acetazolamide" *Phys. Chem. Chem. Phys.* **2015**, *17*, 25411-25420.
434. Thomas, S. P.; Sathishkumar, R.; **Row, T. N. G.** "Organic alloys of room temperature liquids thiophenol and selenophenol" *Chem. Commun.* **2015**, *51*, 14255-14258.
433. Nangia, A.; **Row, T. N. G.** "Polymorphism" *CrystEngComm* **2015**, *17*, 5128-5128.
432. Harisha, A. S.; Nayak, S. P.; Pavan, M. S.; Shridhara, K.; Rao, S. K.; Rajendra, K.; Pari, K.; Sivaramkrishnan, H.; Row, G. T. N.; Nagarajan, K. "A new synthesis of Entacapone and report on related studies" *J. Chem. Sci.* **2015**, *127*, 1977-1991.

## 2014

431. Prasad, K. D.; Trinath, J.; Biswas, A.; Sekar, K.; Balaji, K. N.; **Row, T. N. G.**, —Anthrapyrazolone analogues intercept inflammatory JNK signals to moderate endotoxin induced septic shock. *Sci. Rep.* **2014**, *4*.
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- imidazo[1,2-a]pyridine-2-carboxamide derivatives. *Eur. J. Med. Chem.* **2015**, *89* (0), 616-627.
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427. Prasad, K. D.; Cherukuvada, S.; Devaraj Stephen, L.; **Row, T. N. G.**, —Effect of inductive effect on the formation of cocrystals and eutectics. *CrystEngComm* **2014**, *16* (42), 9930-9938.
426. Pavan, M. S.; Pal, R.; Nagarajan, K.; **Row, T. N. G.**, —Characterization of Interactions Involving Bromine in 2,2-Dibromo-2,3-dihydroinden-1-one via Experimental Charge Density Analysis. *Cryst. Growth Des.* **2014**, *14* (11), 5477-5485.
425. Hathwar, V. R.; Chopra, D.; Panini, P.; **Row, T. N. G.**, —Revealing the Polarizability of Organic Fluorine in the Trifluoromethyl Group: Implications in Supramolecular Chemistry. *Cryst. Growth Des.* **2014**, *14* (11), 5366-5369.
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412. Bai, M.; Thomas, S. P.; Kottokkaran, R.; Nayak, S. K.; Ramamurthy, P. C.; **Row, T. N. G.**, —A Donor-Acceptor-Donor Structured Organic Conductor with S center dot center dot center dot S Chalcogen Bonding. *Cryst. Growth Des.* **2014**, *14* (2), 459-466.
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