

Complete list of publications:

Sl.no	Author name	Title of the papper	Journal name
1.	Pandey, Umesh Pratap; Thilagar, Pakkirisamy	External Stimuli Responsive Bis(anthryl) borylaniline AIEgens for Viscosity and Temperature Sensing: The Game of Molecular Flexibili	Advanced Optical Materials (2020), Ahead of Print
2.	Kalluvettukuzhy, Neena K.; Pagidi, Sudhakar; Prasad Nandi, Rajendra; Thilagar, Pakkirisamy	Exploiting N-H- π Interactions in 2- (dimesitylboraneyl)-1H- pyrrole for Luminescence Enhancement	Asian Journal of Organic Chemistry (2020), 9(4), 644-651
3.	Pagidi, Sudhakar; Kalluvettukuzhy, Neena K.; Thilagar, Pakkirisamy	Effect of Branching on the Delayed Fluorescence and Phosphorescence of Simple Borylated Arylamines	Inorganic Chemistry (2020), 59(5), 3142- 3151.
4.	Sarkar, Tanmay Kumar; Sarkar, Samir Kumar; Thilagar, Pakkirisamy	Room Temperature Phosphorescent (RTP) N-Acetylphenothiazines	ChemPhotoChem (2020), 4(4), 2 82-286
5.	Sarkar, Samir Kumar; Pegu, Meenakshi; Behera, Santosh Kumar; Narra, Siva Krishna, Thilagar, Pakkirisamy	Aggregation-Induced and Polymorphism- Dependent Thermally Activated Delayed Fluorescence (TADF) Characteristics of an Oligothiophene: Applications in Time- Dependent Live Cell Multicolour Imaging	Chemistry - An Asian Journal (2019), 14(24), 4588-4593
6.	Kumar, George Rajendra; Behera, Santosh Kumar; Thilagar, Pakkirisamy	Room temperature phosphorescent triarylborane functionalized iridium complexes	Dalton Transactions (2019), 48(20), 6817-6823
7.	Mukherjee, Sanjoy; Thilagar, Pakkirisamy	Renaissance of Organic Triboluminescent Materials	Angewandte Chemie, International Edition (2019), 58(24), 7922-7932

8.	Sudhakar, Pagidi; Neena, Kalluvettukuzhy K.; Thilagar, Pakkirisamy	Borylated perylene diimide: self- assembly, photophysics and sensing application	Dalton Transactions (2019), 48(21), 7218-7226
9.	Neena, Kalluvettukuzhy K.; Sudhakar, Pagidi; Thilagar, Pakkirisamy	Catalyst- and Template- Free Ultrafast Visible- Light-Triggered Dimerization of Vinylpyridine- Functionalized Tetraarylamino borane: Intriguing Deep-Blue Delayed Fluorescence	Angewandte Chemie, International Edition (2018), 57(51), 16806-16810
10.	Mukherjee, Sanjoy; Thilagar, Pakkirisamy	Organoborane Donor- Acceptor Materials	Main Group Strategies towards Functional Hybrid Materials (2018), 27-45
11.	Narayanan, Ramakirushnan Suriya; Thilagar, Pakkirisamy; Acharya, Joydev; Kumar, Pawan; Rao, Doddapuneni Krishna; Chandrasekhar, Vadapalli; Jana, Anukul	Reactions of 4- diphenylphosphino benzoic acid with organotin oxides and - oxy-hydroxide	Journal of Chemical Sciences (Berlin, Germany) (2018), 130(7), 1-8.
12.	Pagidi, Sudhakar; Kalluvettukuzhy, Neena K.; Thilagar, Pakkirisamy	Triarylboron Anchored Luminescent Probes: Selective Detection and Imaging of Thiophenols in the Intracellular Environment	Langmuir (2018), 34(28), 8170- 8177
13.	Pagidi, Sudhakar; Kalluvettukuzhy, Neena K.; Thilagar, Pakkirisamy	Tunable Self-Assembly and Aggregation-Induced Emission Characteristics of Triarylboron- Decorated Naphthalimides	Organometallics (2018), 37(12), 1900-1909
14.	Mukherjee, Sanjoy; Thilagar, Pakkirisamy	Borophene: a new paradigm	Current Science (2016), 111(8), 1302-1304
15.	Sarkar, Samir Kumar; Mukherjee, Sanjoy; Garai, Aditya; Thilagar, Pakkirisamy	A Complementary Aggregation Induced Emission Pair for Generating White Light and Four-Colour (RGB and Near-IR) Cell Imaging	ChemPhotoChem (2017), 1(3), 84-88

16.	Kalluvettukuzhy, Neena K.; Thilagar, Pakkirisamy	Bistable Polyaromatic Aminoboranes: Bright Solid State Emission and Mechanochromism	Organometallics (2017), 36(14), 2692-2701
17.	Sudhakar, Pagidi; Neena, Kalluvettukuzhy K.; Thilagar, Pakkirisamy	H-Bond assisted mechanoluminescence of borylated aryl amines: tunable emission and polymorphism	Journal of Materials Chemistry C: Materials for Optical and Electronic Devices (2017), 5(26), 6537-6546.
18.	Neena, Kalluvettukuzhy K.; Sudhakar, Pagidi; Dipak, Kumbhar; Thilagar, Pakkirisamy	Diarylboryl-phenothiazine based multifunctional molecular siblings	Chemical Communications (Cambridge, United Kingdom) (2017), 53(26), 3641-3644
19.	Rajendra Kumar, George; Thilagar, Pakkirisamy	Tuning the Phosphorescence and Solid State Luminescence of Triarylborane-Functionalized Acetylacetonato Platinum Complexes	Inorganic Chemistry (2016), 55(23), 12220-12229
20.	Neena, Kalluvettukuzhy K.; Thilagar, Pakkirisamy	Replacing the non-polarized C=C bond with an isoelectronic polarized B-N unit for the design and development of smart materials	Journal of Materials Chemistry C: Materials for Optical and Electronic Devices (2016), 4(48), 11465-11473.
21.	Kumar, George Rajendra; Sarkar, Samir Kumar; Thilagar, Pakkirisamy	Aggregation-Induced Emission and Sensing Characteristics of Triarylborane-Oligothiophene-Dicyanovinyl Triads	Chemistry - A European Journal (2016), 22(48), , 17215-17225.
22.	Neena, Kalluvettukuzhy K.; Thilagar, Pakkirisamy	Conformational Restrictions in meso-(2-Thiazolyl)-BODIPYs: Large Stokes Shift and pH-Dependent Optical Properties	ChemPlusChem (2016), 81(9), 955-963
23.	Mahendran, Vaithiyathan; Pasumpon, Kamaraj; Thimmarayaperumal, Solaimalai; Thilagar,	Tetraphenylethene-2-Pyrone Conjugate: Aggregation-Induced Emission Study and Explosives Sensor	Journal of Organic Chemistry (2016), 81(9), 3597-3602

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24.	Sarkar, Samir Kumar; Kumar, George Rajendra; Thilagar, Pakkirisamy	White light emissive molecular siblings	Chemical Communications (Cambridge, United Kingdom) (2016), 52(22), 4175-4178
25.	P, Chinna Ayya Swamy; Thilagar, Pakkirisamy	Multiple emissive triarylborane-A ₂ H ₂ and triarylborane-Zn-A ₂ H ₂ porphyrin conjugates	Dalton Transactions (2016), 45(11), 4688-4696
26.	Mukherjee, Sanjoy; Thilagar, Pakkirisamy	Boron clusters in luminescent materials	Chemical Communications (Cambridge, United Kingdom) (2016), 52(6), 1070-1093
27.	Mukherjee, Sanjoy; Thilagar, Pakkirisamy	Stimuli and shape responsive 'boron- containing' luminescent organic materials	Journal of Materials Chemistry C: 2016, 4(14), 2647-2662.
28.	Kumar, George Rajendra; Sarkar, Samir Kumar; Thilagar, Pakkirisamy	Triarylborane conjugated dicyanovinyl chromophores: intriguing optical properties and colorimetric anion discrimination	Physical Chemistry Chemical Physics (2015), 17(45), 30424- 30432.
29.	Mukherjee, Sanjoy; Thilagar, Pakkirisamy	Recent advances in purely organic phosphorescent materials	Chemical Communications (Cambridge, United Kingdom) (2015), 51(55), 10988-11003.
30.	Swamy P, Chinna Ayya; Thilagar, Pakkirisamy	Polyfunctional Lewis Acids: Intriguing Solid- State Structure and Selective Detection and Discrimination of Nitroaromatic Explosives	Chemistry - A European Journal (2015), 21(24), 8874-8882.
31.	Swamy P, Chinna Ayya; Priyanka, Ragam N.; Mukherjee, Sanjoy; Thilagar, Pakkirisamy	Panchromatic Borane- aza- BODIPY Conjugate: Synthesis, Intriguing Optical Properties, and Selective Fluorescent Sensing of Fluoride Anions	European Journal of Inorganic Chemistry (2015), 2015(13), 2338-2344.
32.	Mukherjee, Sanjoy; Thilagar, Pakkirisamy	Frustrated Lewis pairs: Design and reactivity	Journal of Chemical Sciences (Bangalore, India) (2015), 127(2), 241-255.
33.	Mukherjee, Sanjoy; Thilagar, Pakkirisamy	Effect of alkyl substituents in BODIPYs: a	RSC Advances (2015), 5(4), 2706-2714.

		comparative DFT computational investigation	
34.	Mukherjee, Sanjoy; Thilagar, Pakkirisamy	Fine- tuning solid- state luminescence in NPIs (1, 8- naphthalimides) : impact of the molecular environment and cumulative interactions	Physical Chemistry Chemical Physics (2014), 16(38), 20866-20877.
35.	Mukherjee, Sanjoy; Thilagar, Pakkirisamy	Organic white- light emitting materials	Dyes and Pigments (2014), 110, 2-27.
36.	Mukherjee, Sanjoy; Thilagar, Pakkirisamy	Fine- Tuning Dual Emission and Aggregation- Induced Emission Switching in NPI- BODIPY Dyads	Chemistry - A European Journal (2014), 20(29), 9052-9062.
37.	Mukherjee, Sanjoy; Thilagar, Pakkirisamy	Insights into the AIEE of 1, 8- Naphthalimides (NPIs) : Inverse Effects of Intermolecular Interactions in Solution and Aggregates	Chemistry - A European Journal (2014), 20(26), 8012-8023.
38.	Swamy P, Chinna Ayya; Mukherjee, Sanjoy; Thilagar, Pakkirisamy	Multichannel- Emissive V- Shaped Boryl- BODIPY Dyads: Synthesis, Structure, and Remarkably Diverse Response toward Fluoride	Inorganic Chemistry (2014), 53(10), 4813-4823.
39.	Kumar, George Rajendra; Thilagar, Pakkirisamy	Dicyanovinyl substituted triarylboranes: a rational approach to distinguish fluoride and cyanide ions	Dalton Transactions (2014), 43(19), 7200-7207.
40.	Chinna, Ayya Swamy P.; Thilagar, Pakkirisamy	Triarylborane- Appended New Triad and Tetrad: Chromogenic and Fluorogenic Anion Recognition	Inorganic Chemistry (2014), 53(6), 2776-2786.
41.	Swamy, P. Chinna Ayya; Mukherjee, Sanjoy; Thilagar, Pakkirisamy	Dual Binding Site Assisted Chromogenic and Fluorogenic Recognition and Discrimination of Fluoride and Cyanide by a Peripherally Borylated	Analytical Chemistry (Washington, DC, United States) (2014), 86(7), 3616-3624.

		Metalloporphyrin: Overcoming Anion Interference in Organoboron Based Sensors	
42.	Sarkar, Samir Kumar; Mukherjee, Sanjoy; Thilagar, Pakkirisamy	Going beyond Red with a Tri- and Tetracoordinate Boron Conjugate: Intriguing Near- IR Optical Properties and Applications in Anion Sensing	Inorganic Chemistry (2014), 53(5), 2343-2345.
43.	Swamy P., Chinna Ayya; Priyanka, Ragam N.; Thilagar, Pakkirisamy	Triarylborane-dipyrromethane conjugates bearing dual receptor sites: the synthesis and evaluation of the anion binding site preference	Dalton Transactions (2014), 43(10), 4067-4075.
44.	Kumar, George Rajendra; Thilagar, Pakkirisamy	Triarylborane conjugated acacH ligands and their BF ₂ complexes: facile synthesis and intriguing optical properties	Dalton Transactions (2014), 43(10), 3871-3879.
45.	Chinna Ayya, Swamy P.; Thilagar, Pakkirisamy	Effect of substituent position on optical properties of boron-dipyrromethane isomers	Inorganica Chimica Acta (2014), 411, 97-101.
46.	Sarkar, Samir Kumar; Thilagar, Pakkirisamy	A borane- bithiophene-BODIPY triad: intriguing tricolor emission and selective fluorescence response towards fluoride ions	Chemical Communications (Cambridge, United Kingdom) (2013), 49(76), 8558-8560.
47.	Mukherjee, Sanjoy; Thilagar, Pakkirisamy	Molecular flexibility tuned emission in "V" shaped naphthalimides: Hg(II) detection and aggregation- induced emission enhancement (AIEE)	Chemical Communications (Cambridge, United Kingdom) (2013), 49(66), 7292-7294.

48.	Swamy P, Chinna Ayya; Mukherjee, Sanjoy; Thilagar, Pakkirisamy	Tuning the solid state emission of meso-Me ₃ SiC ₆ H ₄ BODIPYs by tuning their solid state structure	Journal of Materials Chemistry C: Materials for Optical and Electronic Devices (2013), 1(31), 4691-4698.
49.	Sudhakar, Pagidi; Mukherjee, Sanjoy; Thilagar, Pakkirisamy	Revisiting Borylanilines: Unique Solid- State Structures and Insight into Photophysical Properties	Organometallics (2013), 32(10), 3129-3133.
50.	Sudhakar, Pagidi; Thilagar, Pakkirisamy	Ferrocene- based Lewis acids and Lewis pairs: Synthesis and structural characterization	Journal of Chemical Sciences (Bangalore, India) (2013), 125(1), 41-49.
51.	Swamy P, Chinna Ayya; Mukherjee, Sanjoy; Thilagar, Pakkirisamy	Dual emissive borane-BODIPY dyads: molecular conformation control over electronic properties and fluorescence response towards fluoride ions	Chemical Communications (Cambridge, United Kingdom) (2013), 49(10), 993-995.
52.	Thilagar, Pakkirisamy; Murillo, Didier; Chen, Jiawei; Jaekle, Frieder	Synthesis and supramolecular assembly of the bifunctional borinic acid [1, 2- <i>fcB(OH)</i>] 2	Dalton Transactions (2013), 42(3), 665-670.
53.	Thilagar, Pakkirisamy; Sudhakar, Pagidi; Chinna Ayya Swamy, P.; Mukherjee, Sanjoy	Synthesis and spectral characterization of cyclotriphosphazene based 18- membered macrocycles	Inorganica Chimica Acta (2012), 390, 163-166.
54.	Thilagar, Pakkirisamy; Chen, Jiawei; Lalancette, Roger A.; Jakle, Frieder	Reversible Formation of a Planar Chiral Ferrocenylboroxine and Its Supramolecular Structure	Organometallics (2011), 30(24), 6734-6741.
55.	Chandrasekhar, V.; Thilagar, P.; Steiner, A.	Guest- assisted self-assembly of organostannoxane nanotubules on a mica surface	Crystal Growth & Design (2011), 11(5), 1446-1449.
56.	Chandrasekhar, Vadapalli; Narayanan, Ramakirushnan Suriya; Thilagar, Pakkirisamy	Organostannoxane-supported palladium nanoparticles. Highly efficient catalysts for Suzuki- coupling	Organometallics (2009), 28(20), 5883-5888.

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57.	C. Jiawei; V. Krishnan; P. Thilagar; D. Ami; Y. Andrej; P. Yesha; L. Roger A.; J. Frieder	Planar Chiral Organoborane Lewis Acids Derived from Naphthylferrocene	Chemistry - A European Journal (2010), 16(29), 8861-8867,
58.	. Krishnan; P. Thilagar; L. Roger A.; J. Frieder	Tuning the electronic structure of diboradiferrocenes	Dalton Transactions (2008), (33), 4507-4513
59.	P. Thilagar; V. Krishnan; K. W. Scott; R. L. Arnold.; J.Frieder	Examination of the Pyridine Binding to the Bifunctional Lewis Acid B,B'-Diphenyldiboradiferrocene	Organometallics (2008), 27(13), 3056-3064
60	Chandrasekhar, Vadapalli; Azhakar, Ramachandran; Senapati, Tapas; Thilagar, Pakkirisamy; Ghosh, Surajit; Verma, Sandeep; Boomishankar, Ramamoorthy; Steiner, Alexander; Koegerler, Paul	Synthesis, structure, magnetism and nuclease activity of tetranuclear copper(II) phosphonates containing ancillary 2,2'-bipyridine or 1,10-phenanthroline ligands	Dalton Transactions (2008), (9), 1150-1160.
61	Chandrasekhar, Vadapalli; Sasikumar, Palani; Thilagar, Pakkirisamy	Formation of a Double-Bicapped Hexatin Phosphate Cage by a De-arylation Reaction. Synthesis and Structure of $[(\text{PhSn})_6(\mu\text{-OH})_2(\mu^3\text{-O})_2(\mu\text{-OEt})_4\{(\text{ArO})\text{PO}_3\}_4]$ (Ar = 2,6-i-Pr ₂ C ₆ H ₃)	Organometallics (2007), 26(18), 4386-4388
62	Chandrasekhar, Vadapalli; Gopal, Kandasamy; Thilagar, Pakkirisamy	Nanodimensional Organostannoxane Molecular Assemblies	Accounts of Chemical Research (2007), 40(6), 420-434.
63	Chandrasekhar, Vadapalli; Thilagar, Pakkirisamy; Senapati, Tapas	Transition metal-assisted hydrolysis of pyrazole-appended organooxotin carboxylates	European Journal of Inorganic Chemistry (2007), (7), 1004-1009

		accompanied by ligand transfer	
64	Chandrasekhar, Vadapalli; Thilagar, Pakkirisamy; Murugesapandian, Balasubramanian	Cyclophosphazene-based multi-site coordination ligands	Coordination Chemistry Reviews (2007), 251 (9-10), 1045-1074
65	Chandrasekhar, Vadapalli; Thilagar, Pakkirisamy; Krishnan, Venkatasubbaiah; Bickley, James F.; Steiner, Alexander	Click Synthesis of Fluorine-Rich CyclotriphosphazeneHydrazones. Synthesis and Supramolecular Structures of N3P3(N(Me)N:CHC6F5)6, spiro-N3P3(C12H8O2)(N(Me)N:CHC6F5)4, and dispiro-N3P3(C12H8O2)2(N(Me)N:CHC6F5)2	Crystal Growth & Design (2007), 7(4), 668-675
66	Chandrasekhar, Vadapalli; Gopal, Kandasamy; Nagarajan, Loganathan; Sasikumar, Palani; Thilagar, Pakkirisamy	Stannoxanes and phosphonates: new approaches in organometallic and transition metal assemblies	Journal of Chemical Sciences (Bangalore, India) (2006), 118(6), 455-462
67	Chandrasekhar, Vadapalli; Thilagar, Pakkirisamy; Steiner, Alexander; Bickley, Jamie F	Inorganic-cored photoactive assemblies: synthesis, structure, and photochemical investigations on stannoxane-supported multifuorene compounds	Chemistry - A European Journal (2006), 12(34), 8847-8861
68	Chandrasekhar, Vadapalli; Thilagar, Pakkirisamy; Sasikumar, Palani	Multi-site coordination ligands assembled on organostannoxane supports	Journal of Organometallic Chemistry (2006), 691(8), 1681-1692
69	Chandrasekhar, Vadapalli; Thilagar, Pakkirisamy; Bickley,	Alternating Hydrophilic and Hydrophobic Pockets in the Channel	Journal of the American Chemical

	James F.; Steiner, Alexander	Structures of OrganostannoxanePrism anes: Preferential Confinement of Guest Molecules	Society (2005), 127(33), 11556-11557
70	Chandrasekhar, Vadapalli; Krishnan, Venkatasubbaiah; Thilagar, Pakkirisamy	Hybrid polymeric ligands and polymer supported catalysts containing cyclophosphazenes	Comptes Rendus Chimie (2004), 7(8-9), 915-925