

Balasubramanian Murugesapandian

List of Publications by Year in descending order

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34
papers

1,455
citations

430874

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docs citations

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times ranked

1168
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen rich triaminoguanidine-pyrrole conjugate as supramolecular synthon for the construction of charge-assisted hydrogen bonded network with various carboxylic acids. <i>Journal of Solid State Chemistry</i> , 2022, 305, 122637.	2.9	1
2	Development of C3 symmetric triaminoguanidine-2-naphthol conjugate: Aggregation induced emission, colorimetric and turn-off fluorimetric detection of Co ²⁺ ion, smartphone and real sample applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 406, 112983.	3.9	18
3	Multifunctional behavior of bis-acylhydrazone: Real-time detection of moisture in organic solvents, halochromism and aggregation induced emission. <i>Dyes and Pigments</i> , 2021, 185, 108891.	3.7	15
4	All-in-one type ESIPT-active multi-stimuli responsive 7-diethylamino-4-hydroxycoumarin-rhodamine B hydrazone as molecular switches and the reversible photochromic features of its zinc ensemble. <i>Materials Chemistry Frontiers</i> , 2021, 5, 8183-8196.	5.9	15
5	A new 7-diethylamino-4-hydroxycoumarin based reversible colorimetric/fluorometric probe for sequential detection of Al ³⁺ /PPI and its potential use in biodetection and bioimaging applications. <i>New Journal of Chemistry</i> , 2021, 45, 6067-6079.	2.8	15
6	Selective detection of pyrophosphate anion by zinc ensemble of C3-symmetric triaminoguanidine-pyrrole conjugate and its biosensing applications. <i>Analytica Chimica Acta</i> , 2020, 1103, 192-201.	5.4	21
7	ESIPT-active multi-color aggregation-induced emission features of triphenylamine-salicylaldehyde-based unsymmetrical azine family. <i>CrystEngComm</i> , 2020, 22, 213-228.	2.6	49
8	C3-symmetric triaminoguanidine based colorimetric and fluorometric chemosensor: Sequential detection of Zn ²⁺ /PPI, its RGB performance for detection of Zn ²⁺ ion and construction of IMPLICATION logic gate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 242, 118749.	3.9	19
9	Simple C3-symmetric triaminoguanidine-triphenylamine conjugate as an efficient colorimetric sensor for Cu(II) and fluorescent sensor for Fe(III) ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 234, 118235.	3.9	21
10	Star-Shaped ESIPT-Active Mechanoresponsive Luminescent AIEgen and Its On-Off-On Emissive Response to Cu ²⁺ /S ²⁻ . <i>ACS Omega</i> , 2019, 4, 12459-12469.	3.5	43
11	Coumarin based hydrazone as an ICT-based fluorescence chemosensor for the detection of Cu ²⁺ ions and the application in HeLa cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 214, 170-176.	3.9	68
12	D ⁴ Structured Bis-acylhydrazone Exhibiting Aggregation-Induced Emission, Mechanochromic Luminescence, and Al(III) Detection. <i>Journal of Organic Chemistry</i> , 2018, 83, 10770-10775.	3.2	56
13	Dihaloboreonium cations stabilized by a four-membered N-heterocyclic carbene: electron deficiency compensation by asymmetric structural changes. <i>Dalton Transactions</i> , 2014, 43, 15313-15316.	3.3	8
14	A phosphorus-based compartmental ligand, (S)P[N(Me)Ni(CH ₂ -C ₆ H ₃ -2-O-3-OMe) ₃] (LH3), enables the assembly of luminescent heterobimetallic linear {L ₂ Zn ₂ Ln} ⁺ [Ln = Gd, Tb, Nd and Eu] complexes. <i>Dalton Transactions</i> , 2013, 42, 15447.	3.3	7
15	(Iminophosphoranyl)(thiophosphoranyl)methanide {CH(PPh ₂)NSiMe ₃ (Ph) ₂ PS} ⁺ as a Ligand in Rare-Earth-Element Chemistry. <i>Organometallics</i> , 2013, 32, 1500-1506.	2.3	10
16	{CH ₂ (PPh ₂)=NSiMe ₃ (PPh ₂ =S)} and {CH ₂ (PPh ₂)=NSiMe ₃ (Ph) ₂ P=S} ⁺ as Ligands in Zinc Chemistry: Synthesis and Structures. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 4851-4857.	2.0	5
17	Synthesis and Structure of Lead(II) Complexes of (l ⁶ -Benzenecarboxylato)tricarbonylchromium. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 292-297.	2.0	4
18	Coordination Polymers of Zinc with (l ⁶ -Benzenecarboxylate) Chromium Tricarbonyl. <i>Inorganic Chemistry</i> , 2011, 50, 1698-1704.	4.0	20

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19	Synthesis and Structures of Zinc(II) and Cadmium(II) Complexes with (η^6 -Benzenecarboxylate) Chromium Tricarbonyl and Pyrazole Derivatives. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011, 637, 1818-1823.	1.2	6
20	Synthesis and Structures of Cadmium(II) Complexes with (η^6 -Benzenecarboxylate)tricarbonylchromium. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 4103-4108.	2.0	11
21	Hydrogen bonding networks in [$(\eta^6$ -arene)Cr(CO) ₃] complexes. <i>Heteroatom Chemistry</i> , 2011, 22, 294-300.	0.7	4
22	Synthesis, Structure, and Two-Photon Absorption Studies of a Phosphorus-Based Tris Hydrazone Ligand (η^6 -S)P[N(Me)N(CH ₂) ₆ H ₃ -OH-N(CH ₂) ₂ CH ₂] ₃ and Its Metal Complexes. <i>Inorganic Chemistry</i> , 2010, 49, 4008-4016.	4.0	34
23	Sodium and potassium compounds of [$(\eta^6$ -benzenecarboxylate)Cr(CO) ₃] and [$(\eta^6$ -1,4-benzenedicarboxylate)Cr(CO) ₃]. <i>Dalton Transactions</i> , 2010, 39, 9598.	3.3	13
24	Phosphorus-Supported Ligands for the Assembly of Multimetal Architectures. <i>Accounts of Chemical Research</i> , 2009, 42, 1047-1062.	15.6	101
25	Synthesis, Structure, and Magnetism of Heterobimetallic Trinuclear Complexes {[L ₂ Co ₂ Ln][X]} [Ln = Eu, X = Cl; Ln = Tb, Dy, Ho, X = NO ₃ ; LH ₃ = (S)P[N(Me)N(CH ₂) ₆ H ₃ -2-OH-3-OMe] ₃]: A 3d ^{4f} Family of Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2009, 48, 1148-1157.	4.0	173
26	A Tunable Coordination Response of the Phosphorus-Based Hexadentate Ligand (S)P[N(Me)N=CHC ₆ H ₄ -o-OH] ₃ (LH ₃): Synthesis and Structure of LM (M = Sc, Cr, Mn, Fe, Co, Ga). <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 1116-1124.	2.0	19
27	Synthesis, structure and metallation of spiro-N ₃ P ₃ (O ₂ C ₁₂ H ₈)(OC ₅ H ₄ N-2) ₄ : A heptacoordinate Co(II) in the molecular structure of N ₃ P ₃ (O ₂ C ₁₂ H ₈)(OC ₅ H ₄ N-2) ₄ ·Co(NO ₃) ₂ . <i>Polyhedron</i> , 2008, 27, 255-262.	2.2	34
28	Trinuclear Heterobimetallic Ni ₂ Ln complexes [L ₂ Ni ₂ Ln][ClO ₄] ₄ (Ln = La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, and Er); Tj ETQqO 0 0 rgBT /Overloc	4.0	190
29	Paramagnetic Complexes to Single-Molecule Magnet Behavior. <i>Inorganic Chemistry</i> , 2008, 47, 4918-4929. Cyclophosphazene-Supported Tetranuclear Copper Assembly Containing 15 Contiguous Inorganic Rings. <i>Inorganic Chemistry</i> , 2008, 47, 1922-1924.	4.0	34
30	Linear Trinuclear Mixed-Metal Coll ^{III} Gd ^{III} Coll Single-Molecule Magnet: [L ₂ Co ₂ Gd][NO ₃] ₂ ·2CHCl ₃ (LH ₃ = Tj ETQqO 0 0 rgBT /Ov	4.0	191
31	Cyclophosphazene-based multi-site coordination ligands. <i>Coordination Chemistry Reviews</i> , 2007, 251, 1045-1074.	18.8	158
32	Cyclocarbophosphazene-Containing Tetrameric Assemblies Formed by the Mediation of P ^{III} O ^{III} P and P ^{III} O ^{III} Cu Linkages. <i>Journal of the American Chemical Society</i> , 2006, 128, 6802-6803.	13.7	17
33	Di- and Trinuclear Complexes Derived from Hexakis(2-pyridyloxy)cyclotriphosphazene. Unusual P ^{III} O		