Pounraj Thanasekaran

List of Publications by Year in Descending Order

74 papers	2,197 citations	29 h-index	45 g-index
83 ext. papers	2,465 ext. citations	6.2 avg, IF	4.96 L-index

#	Paper	IF	Citations
74	Aggregation induced emission (AIE), selective fluoride ion sensing and lysozyme interaction properties of Julolidinesulphonyl derived Schiff base. *Journal of Photochemistry and Photobiology A: Chemistry*, **2022**, 427, 113822	4.7	2
73	A novel colorimetric, selective fluorescent "turn-off" chemosensor and biomolecules binding studies based on iodosalicylimine schiff-base derivative. *Journal of Photochemistry and Photobiology A: Chemistry*, **2022**, 425, 113674	4.7	1
72	AIE or AIE(P)E-active transition metal complexes for highly sensitive detection of nitroaromatic explosives. *Results in Chemistry*, **2022**, 4, 100337	2.1	1
71	Multiple target detection and binding properties of naphthalene-derived Schiff-base chemosensor. *Journal of Molecular Liquids*, **2021**, 325, 115190	6	14
70	Selective anions mediated fluorescence "turn-on", aggregation induced emission (AIE) and lysozyme targeting properties of pyrene-naphthalene sulphonyl conjugate. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2021**, 252, 119537	4.4	6
69	Non-conventional photoactive transition metal complexes that mediated sensing and inhibition of amyloidogenic aggregates. *Coordination Chemistry Reviews*, **2021**, 428, 213612	23.2	4
68	A nonlinear optical cadmium(II)-based metal–organic framework with chiral helical chains derived from an achiral bent dicarboxylate ligand. *CrystEngComm*, **2021**, 23, 824-830	3.3	4
67	Hydrophobic Metal-Organic Frameworks and Derived Composites for Microelectronics Applications. *Chemistry - A European Journal*, **2021**, 27, 16543-16563	4.8	0
66	Weak interactions in conducting metal–organic frameworks. *Coordination Chemistry Reviews*, **2021**, 442, 213987	23.2	5
65	Advances of Inorganic Materials in the Detection and Therapeutic Uses against Coronaviruses. *Current Medicinal Chemistry*, **2021**, 28, 5311-5327	4.3	1
64	Research Progress on Porous Carbon Supported Metal/Metal Oxide Nanomaterials for Supercapacitor Electrode Applications. *Industrial & Engineering Chemistry Research*, **2020**, 59, 6347-6374	3.9	63
63	Carbon Dot Nanoparticles Exert Inhibitory Effects on Human Platelets and Reduce Mortality in Mice with Acute Pulmonary Thromboembolism. *Nanomaterials*, **2020**, 10,	5.4	5
62	Weak interactions in imidazole-containing zinc(II)-based metal–organic frameworks. *Journal of the Chinese Chemical Society*, **2020**, 67, 2182-2188	1.5	0
61	Host-guest interaction studies of polycyclic aromatic hydrocarbons (PAHs) in alkoxy bridged binuclear rhenium (I) complexes. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2019**, 222, 117160	4.4	3
60	Self-assembly: An intriguing relationship between structures of metal complexes and shapes of ancient Chinese characters. *Journal of the Chinese Chemical Society*, **2019**, 66, 1027-1030	1.5	
59	Transition metal complexes based aptamers as optical diagnostic tools for disease proteins and biomolecules. *Coordination Chemistry Reviews*, **2019**, 380, 519-549	23.2	15
58	Lipid-Wrapped Upconversion Nanoconstruct/Photosensitizer Complex for Near-Infrared Light-Mediated Photodynamic Therapy. *ACS Applied Materials & Interfaces*, **2019**, 11, 84-95	9.5	14

57	Phosphorescence Turn-On Sensing of Anions by Rhenium(I) Schiff-Base Complexes. *ChemistrySelect*, **2018**, 3, 2277-2285	1.8	5
56	Aggregation-induced emission enhancement of anthracene-derived Schiff base compounds and their application as a sensor for bovine serum albumin and optical cell imaging. *Luminescence*, **2018**, 33, 780-789	2.5	19
55	Low-cost palladium decorated on m-aminophenol-formaldehyde-derived porous carbon spheres for the enhanced catalytic reduction of organic dyes. *Inorganic Chemistry Frontiers*, **2018**, 5, 354-363	6.8	24
54	A Metal-Free Carbon-Based Catalyst: An Overview and Directions for Future Research. *Journal of Carbon Research*, **2018**, 4, 54	3.3	16
53	Unravelling the aggregation induced emission enhancement in Tris(4,7-diphenyl-1,10-phenanthroline)ruthenium(II) complex. *Inorganic Chemistry Communication*, **2018**, 98, 7-10	3.1	4
52	Simple Preparation of Porous Carbon-Supported Ruthenium: Propitious Catalytic Activity in the Reduction of Ferrocyanate(III) and a Cationic Dye. *ACS Omega*, **2018**, 3, 12609-12621	3.9	19
51	Translational Medicine in Pulmonary-Renal Crosstalk: Therapeutic Targeting of p-Cresyl Sulfate Triggered Nonspecific ROS and Chemoattractants in Dyspneic Patients with Uremic Lung Injury. *Journal of Clinical Medicine*, **2018**, 7,	5.1	13
50	Biomass Derived Sheet-like Carbon/Palladium Nanocomposite: An Excellent Opportunity for Reduction of Toxic Hexavalent Chromium. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 5302-5312	8.3	62
49	Functionalized Silica Matrices and Palladium: A Versatile Heterogeneous Catalyst for Suzuki, Heck, and Sonogashira Reactions. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 6357-6376	8.3	74
48	Recent developments on optical and electrochemical sensing of copper(II) ion based on transition metal complexes. *Coordination Chemistry Reviews*, **2017**, 343, 278-307	23.2	69
47	An Integrated System to Remotely Trigger Intracellular Signal Transduction by Upconversion Nanoparticle-mediated Kinase Photoactivation. *Journal of Visualized Experiments*, **2017**,	1.6	1
46	Development of luminescent sensors based on transition metal complexes for the detection of nitroexplosives. *Dalton Transactions*, **2017**, 46, 16738-16769	4.3	44
45	Computational Studies of Versatile Heterogeneous Palladium-Catalyzed Suzuki, Heck, and Sonogashira Coupling Reactions. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 8475-8490	8.3	38
44	Well-dispersed rhenium nanoparticles on three-dimensional carbon nanostructures: Efficient catalysts for the reduction of aromatic nitro compounds. *Journal of Colloid and Interface Science*, **2017**, 506, 271-282	9.3	36
43	Luminescent sensor for copper(II) ion based on imine functionalized monometallic rhenium(I) complexes. *Sensors and Actuators B: Chemical*, **2017**, 240, 1216-1225	8.5	19
42	Sensing of insulin fibrillation using alkoxy-bridged binuclear rhenium(I) complexes. *Inorganic Chemistry Communication*, **2016**, 73, 49-51	3.1	7
41	Synthesis and Photophysical Properties of Rhenium(I)-Alkynyl Molecular Rectangles. *Oriental Journal of Chemistry*, **2016**, 32, 1859-1873	0.8	
40	Upconversion Nanoparticle as a Platform for Photoactivation **2016**, 391-418		1

39	Construction of a Near-Infrared-Activatable Enzyme Platform To Remotely Trigger Intracellular Signal Transduction Using an Upconversion Nanoparticle. *ACS Nano*, **2015**, 9, 7041-51	16.7	25
38	Aggregation-induced phosphorescence enhancement (AIPE) based on transition metal complexes: An overview. *Journal of Photochemistry and Photobiology C: Photochemistry Reviews*, **2015**, 23, 25-44	16.4	80
37	Synthesis and characterization of monometallic rhenium(I) complexes and their application as selective sensors for copper(II) ions. *RSC Advances*, **2015**, 5, 38479-38488	3.7	17
36	A Molecular Triangle as a Precursor Toward the Assembly of a Jar-Shaped Metallasupramolecule. *Organometallics*, **2014**, 33, 40-44	3.8	14
35	Neutral discrete metal–organic cyclic architectures: Opportunities for structural features and properties in confined spaces. *Coordination Chemistry Reviews*, **2014**, 280, 96-175	23.2	26
34	Alkoxy bridged binuclear rhenium (I) complexes as a potential sensor for amyloid aggregation. *Talanta*, **2014**, 130, 274-9	6.2	31
33	Photoswitchable alkoxy-bridged binuclear rhenium(I) complexes: a potential probe for biomolecules and optical cell imaging. *RSC Advances*, **2013**, 3, 18557	3.7	35
32	Aggregation-induced emission enhancement in alkoxy-bridged binuclear rhenium(I) complexes: application as sensor for explosives and interaction with microheterogeneous media. *Journal of Physical Chemistry B*, **2013**, 117, 14358-66	3.4	50
31	Host–guest key–lock hydrogen-bonding interactions: a rare case in the design of a V-shaped polycarboxylate Ni(II)-based chiral coordination polymer. *CrystEngComm*, **2013**, 15, 9798	3.3	16
30	Monometallic rhenium(I) complexes as sensor for anions. *Inorganic Chemistry Communication*, **2013**, 35, 186-191	3.1	21
29	Synthesis, Structure, and Dynamic Behavior of Discrete Metallacyclic Rotors. *Chemistry Letters*, **2013**, 42, 776-784	1.7	4
28	Melamine-promoted crystal growth of calcium oxalate monohydrate from calcium nitrate and oxalic acid. *Inorganic Chemistry Communication*, **2012**, 17, 84-87	3.1	11
27	Giant metal-organic frameworks with bulky scaffolds: from microporous to mesoporous functional materials. *Dalton Transactions*, **2012**, 41, 5437-53	4.3	38
26	One-step orthogonal-bonding approach to the self-assembly of neutral rhenium-based metallacycles: synthesis, structures, photophysics, and sensing applications. *Accounts of Chemical Research*, **2012**, 45, 1403-18	24.3	96
25	Organometallic calixarenes: syceelike tetrarhenium(I) cavitands with tunable size, color, functionality, and coin-slot complexation. *Chemistry - A European Journal*, **2011**, 17, 3343-6	4.8	34
24	A journey in search of single-walled metal–organic nanotubes. *Journal of Materials Chemistry*, **2011**, 21, 13140		68
23	Quinonoid-bridged chair-shaped dirhenium(I) metallacycles: synthesis, characterization, and spectroelectrochemical studies. *Inorganic Chemistry*, **2010**, 49, 10264-72	5.1	17
22	Luminescence quenching of Re(I) molecular rectangles by quinones. *Dalton Transactions*, **2010**, 39, 2928-35	4.3	14

21	Highly emissive cyclometalated rhenium metallacycles: structure-luminescence relationship. *Inorganic Chemistry*, **2010**, 49, 6805-7	5.1	36
20	Effect of ancillary ligands on the photophysical properties of Ru(II) complexes bearing a highly conjugated diimine ligand: A density functional theory study. *Inorganica Chimica Acta*, **2009**, 362, 5064-5072	2.7	10
19	Unusual face-to-face pi-pi stacking interactions within an indigo-pillared M3(tpt)-based triangular metalloprism. *Dalton Transactions*, **2008**, 6110-2	4.3	47
18	Rhenium-based molecular rectangular boxes with large inner cavity and high shape selectivity towards benzene molecule. *Chemical Communications*, **2008**, 3175-7	5.8	56
17	Unprecedented Reduction of 2,2?-Bipyrimidine in a One-Pot Synthesis of Neutral Rhenium(I)-Based Molecular Rectangles. *Organometallics*, **2008**, 27, 2141-2144	3.8	29
16	Aggregate of alkoxy-bridged Re(I)-rectangles as a probe for photoluminescence quenching. *Journal of Physical Chemistry A*, **2007**, 111, 10953-60	2.8	26
15	Photoluminescence electron-transfer quenching of rhenium(I) rectangles with amines. *Journal of Physical Chemistry A*, **2006**, 110, 10683-9	2.8	32
14	Micellar catalysis on the electron transfer reactions of iron(III)-polypyridyl complexes with organic sulfides-importance of hydrophobic interactions. *Organic and Biomolecular Chemistry*, **2006**, 4, 352-8	3.9	21
13	CH...pi interaction for rhenium-based rectangles: an interaction that is rarely designed into a host-guest pair. *Inorganic Chemistry*, **2006**, 45, 8070-7	5.1	52
12	Self-assembly, reorganization, and photophysical properties of silver(I)-Schiff-base molecular rectangle and polymeric array species. *Inorganic Chemistry*, **2006**, 45, 295-303	5.1	136
11	Gondola-shaped luminescent tetrarhenium metallacycles with crown-ether-like multiple recognition sites. *Inorganic Chemistry*, **2006**, 45, 10052-4	5.1	58
10	Metal-containing molecular rectangles: synthesis and photophysical properties. *Coordination Chemistry Reviews*, **2005**, 249, 1085-1110	23.2	178
9	Self-assembly of octarhenium-based neutral luminescent rectangular prisms. *Inorganic Chemistry*, **2003**, 42, 4795-7	5.1	46
8	Synthesis and photophysical properties of neutral luminescent rhenium-based molecular rectangles. *Inorganic Chemistry*, **2003**, 42, 6388-94	5.1	73
7	Luminescence enhancement induced by aggregation of alkoxy-bridged rhenium(I) molecular rectangles. *Inorganic Chemistry*, **2002**, 41, 5323-5	5.1	95
6	Steric effects in the photoinduced electron transfer reactions of ruthenium(II)-polypyridine complexes with 2,6-disubstituted phenolate ions. *Physical Chemistry Chemical Physics*, **2001**, 3, 2063-2069	2.6	29
5	Charge transfer photochemistry of Ru(bpz)32+ with carboxylic acids and carboxylate ions. *Journal of Photochemistry and Photobiology A: Chemistry*, **1999**, 120, 181-184	4.7	4
4	Photoredox reactions of tris(2,2?-bipyrazine)-, tris(2,2?-bipyrimidine)- and tris(2,3-bis[2-pyridyl]pyrazine)ruthenium(II) cations with phenolate ions in aqueous acetonitrile. *Journal of the Chemical Society, Faraday Transactions*, **1998**, 94, 3339-3344		14

3	Marcus Inverted Region in the Photoinduced Electron Transfer Reactions of Ruthenium(II) Polypyridine Complexes with Phenolate Ions. *Journal of Physical Chemistry A*, **1997**, 101, 8195-8199	2.8	42
2	Photosensitized redox reactions of organic sulphides with tris-(2,2?-bipyrazine)ruthenium(II) cation. *Radiation Physics and Chemistry*, **1997**, 49, 103-106	2.5	5
1	Electron transfer reactions of iron (III) - polypyridyl complexes with organic sulphides. *Tetrahedron*, **1995**, 51, 4801-4818	2.4	21