Nem Singh

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8594746/publications.pdf

Version: 2024-02-01

62	3,837	126907	118850
papers	citations	33 h-index	62 g-index

64	64	64	3113
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Post-synthetic modifications in porous organic polymers for biomedical and related applications. Chemical Society Reviews, 2022, 51, 43-56.	38.1	68
2	Band Gap Engineering in Solvochromic 2D Covalent Organic Framework Photocatalysts for Visible Light-Driven Enhanced Solar Fuel Production from Carbon Dioxide. ACS Applied Materials & Interfaces, 2021, 13, 14122-14131.	8.0	66
3	Photodynamic therapy for hypoxic tumors: Advances and perspectives. Coordination Chemistry Reviews, 2021, 438, 213888.	18.8	151
4	Nonâ€Covalent Interactionâ€Directed Coordinationâ€Driven Selfâ€Assembly of Nonâ€Trivial Supramolecular Topologies. Chemical Record, 2021, 21, 574-593.	5.8	8
5	Nanoscale porous organic polymers for drug delivery and advanced cancer theranostics. Chemical Society Reviews, 2021, 50, 12883-12896.	38.1	108
6	Isomeric sp2-C-conjugated porous organic polymer-mediated photo- and sono-catalytic detoxification of sulfur mustard simulant under ambient conditions. Matter, 2021, 4, 3774-3785.	10.0	10
7	The First Quantitative Synthesis of a Closed Three-Link Chain (6₁³) Using Coordination and Noncovalent Interactions-Driven Self-Assembly. Journal of the American Chemical Society, 2020, 142, 9327-9336.	13.7	35
8	Coordination-Driven Self-Assembly of Triazole-Based Apoptosis-Inducible Metallomacrocycles. ACS Omega, 2019, 4, 10810-10817.	3.5	4
9	New Self-assembled Supramolecular Bowls as Potent Anticancer Agents for Human Hepatocellular Carcinoma. Scientific Reports, 2019, 9, 242.	3.3	4
10	Selective and quantitative synthesis of a linear [3]catenane by two component coordination-driven self-assembly. Chemical Communications, 2019, 55, 6866-6869.	4.1	18
11	Highly regioselective and sustainable solar click reaction: a new post-synthetic modified triazole organic polymer as a recyclable photocatalyst for regioselective azideâ€“alkyne cycloaddition reaction. Green Chemistry, 2019, 21, 2677-2685.	9.0	15
12	Coordinationâ€Driven Selfâ€Assembly of a Molecular Knot Comprising Sixteen Crossings. Angewandte Chemie - International Edition, 2018, 57, 5669-5673.	13.8	65
13	Coordinationâ€Driven Selfâ€Assembly of a Molecular Knot Comprising Sixteen Crossings. Angewandte Chemie, 2018, 130, 5771-5775.	2.0	19
14	Coordination-Driven Self-Assembly of Heterotrimetallic Barrel and Bimetallic Cages Using a Cobalt Sandwich-Based Tetratopic Donor. Inorganic Chemistry, 2018, 57, 3521-3528.	4.0	14
15	Coordination-driven self-assembly and anticancer studies of thiophene-derived donor and arene ruthenium acceptors. Inorganica Chimica Acta, 2018, 482, 179-186.	2.4	5
16	Selective synthesis of iridium(<scp>iii</scp>)-derived molecular Borromean rings, [2]catenane and ring-in-ring macrocycles via coordination-driven self-assembly. Dalton Transactions, 2017, 46, 571-577.	3.3	31
17	Self-Assembled Novel BODIPY-Based Palladium Supramolecules and Their Cellular Localization. Inorganic Chemistry, 2017, 56, 4615-4621.	4.0	72
18	Catalytic Intramolecular Cycloaddition Reactions by Using a Discrete Molecular Architecture. Chemistry - A European Journal, 2017, 23, 15704-15712.	3.3	35

#	Article	IF	Citations
19	Coordination-Driven Self-Assembly Using Ditopic Pyridylâ€“Pyrazolyl Donor and p-Cymene Ru(II) Acceptors: [2]Catenane Synthesis and Anticancer Activities. Inorganic Chemistry, 2017, 56, 8430-8438.	4.0	29
20	Flexible ligated ruthenium(II) self-assemblies sensitizes glioma tumor initiating cells in vitro. Oncotarget, 2017, 8, 60188-60200.	1.8	4
21	Templateâ€Free Synthesis of a Molecular Solomon Link by Twoâ€Component Selfâ€Assembly. Angewandte Chemie, 2016, 128, 2047-2051.	2.0	26
22	Coordinationâ€Driven Selfâ€Assembly and Anticancer Potency Studies of Rutheniumâ€“Cobaltâ€Based Heterometallic Rectangles. Chemistry - A European Journal, 2016, 22, 16157-16164.	3.3	41
23	Templateâ€Free Synthesis of a Molecular Solomon Link by Twoâ€Component Selfâ€Assembly. Angewandte Chemie - International Edition, 2016, 55, 2007-2011.	13.8	71
24	Selective Synthesis of Molecular Borromean Rings: Engineering of Supramolecular Topology via Coordination-Driven Self-Assembly. Journal of the American Chemical Society, 2016, 138, 8368-8371.	13.7	98
25	Antitumor and biological investigation of doubly cyclometalated ruthenium(<scp>ii</scp>) organometallics derived from benzimidazolyl derivatives. Dalton Transactions, 2016, 45, 6667-6673.	3.3	25
26	Chemistry of the highly stable hindered cobalt sandwich compound (Î·5-Cp)Co(Î·4-C4Ph4) and its derivatives. Coordination Chemistry Reviews, 2016, 306, 115-170.	18.8	26
27	Anticancer activities of self-assembled molecular bowls containing a phenanthrene-based donor and Ru(II) acceptors. International Journal of Nanomedicine, 2015, 10 Spec Iss, 143.	6.7	9
28	Coordination-driven self-assembly of an iridium-cornered prismatic cage and encapsulation of three heteroguests in its large cavity. Chemical Communications, 2015, 51, 4492-4495.	4.1	57
29	Selective Synthesis of Ruthenium(II) Metalla[2]Catenane via Solvent and Guest-Dependent Self-Assembly. Journal of the American Chemical Society, 2015, 137, 4674-4677.	13.7	97
30	Selfâ€Assembled Supramolecular Heteroâ€Bimetallacycles for Anticancer Potency by Intracellular Release. Chemistry - A European Journal, 2014, 20, 14410-14420.	3.3	42
31	New Chiral Palladacycles from an Unprecedented Cyclopalladation of Cyclobutadiene-Bound Phenyl Groups of Cobalt Sandwich Compounds. Organometallics, 2014, 33, 1044-1052.	2.3	9
32	A new areneâ€“Ru based supramolecular coordination complex for efficient binding and selective sensing of green fluorescent protein. Dalton Transactions, 2014, 43, 6032-6040.	3.3	37
33	Coordination-Driven Self-Assembly and Anticancer Potency Studies of Areneâ€“Ruthenium-Based Molecular Metalla-Rectangles. Organometallics, 2014, 33, 1144-1151.	2.3	46
34	Self-assembly of new arene-ruthenium rectangles containing triptycene building block and their application in fluorescent detection of nitro aromatics. Inorganica Chimica Acta, 2014, 423, 326-331.	2.4	17
35	Reactions of Alkyne- and Butadiyne-Derived Fluorinated Cyclophosphazenes with Diiron and Dimolybdenum Carbonyls. Inorganic Chemistry, 2014, 53, 10674-10684.	4.0	11
36	Molecular self-assembly of arene-Ru based interlocked catenane metalla-cages. Chemical Communications, 2014, 50, 7542-7544.	4.1	61

#	Article	IF	Citations
37	Synthesis and Characterization of Self-Assembled Nanoscopic Metallarectangles Capable of Binding Fullerenes with Size-Selective Responses. Inorganic Chemistry, 2013, 52, 8573-8578.	4.0	29
38	Anticancer Potency and Multidrugâ€Resistant Studies of Selfâ€Assembled Areneâ€“Ruthenium Metallarectangles. Chemistry - A European Journal, 2013, 19, 11622-11628.	3.3	53
39	Synthesis and structural characterization of the first examples of butadiynyl derived cyclic fluorinated phosphazenes. Journal of Fluorine Chemistry, 2013, 153, 48-56.	1.7	6
40	Self-assembled metalla-rectangles bearing azodipyridyl ligands: synthesis, characterization and antitumor activity. Dalton Transactions, 2013, 42, 466-475.	3.3	49
41	Protecting group directed diversity during Mitsunobu cyclization of a carbohydrate derived diamino triol. Synthesis of novel bridged bicyclic and six-membered iminocyclitols. Organic and Biomolecular Chemistry, 2013, 11, 599-611.	2.8	16
42	Formation of [3]Catenanes from 10 Precursors via Multicomponent Coordination-Driven Self-Assembly of Metallarectangles. Journal of the American Chemical Society, 2013, 135, 2084-2087.	13.7	164
43	Biomedical and Biochemical Applications of Self-Assembled Metallacycles and Metallacages. Accounts of Chemical Research, 2013, 46, 2464-2474.	15.6	438
44	Coordination-Driven Self-Assembly of Arene-Ruthenium Compounds. European Journal of Inorganic Chemistry, 2013, 2013, 5222-5232.	2.0	83
45	Coordination-driven self-assembly of ruthenium-based molecular-rectangles: Synthesis, characterization, photo-physical and anticancer potency studies. Dalton Transactions, 2012, 41, 3046.	3.3	58
46	Coordination-Driven Self-Assembly of 2D-Metallamacrocycles Using a New Carbazole-Based Dipyridyl Donor: Synthesis, Characterization, and C₆₀ Binding Study. Inorganic Chemistry, 2012, 51, 4817-4823.	4.0	51
47	Synthesis and characterization of difunctionalized derivatives ofÂtheÂcyclobutadiene linked dimeric cobalt sandwich compound [(Î·5-Cp)Co(Î·4-C4Ph3)]2. Journal of Organometallic Chemistry, 2012, 716, 208-215.	1.8	5
48	Synthesis and reactions of new 1,2- and 1,3-cyclopentadienyl disubstituted cobalt sandwich compounds (Î·5-C5H3R2)Co(Î·4-C4Ph4) (R CH2OH, CHO, C CH, CH2N3, CH2NH2, CH2OAc, CH NPh). Journal of Organometallic Chemistry, 2012, 717, 99-107.	1.8	10
49	Cyclopentadienyl 1,2- and 1,3-Disubstituted Cobalt Sandwich Compounds {Î·5-[MeOC(O)]2C5H3} Co(Î·4-C4Ph4): Precursors for Sterically Hindered Bidentate Chiral and Achiral Ligands. Organometallics, 2012, 31, 2059-2065.	2.3	12
50	Anticancer Activity of Self-Assembled Molecular Rectangles via Areneâ€“Ruthenium Acceptors and a New Unsymmetrical Amide Ligand. Organometallics, 2012, 31, 3519-3526.	2.3	73
51	Coordination-Driven Self-Assembly of M₃L₂ Trigonal Cages from Preorganized Metalloligands Incorporating Octahedral Metal Centers and Fluorescent Detection of Nitroaromatics. Inorganic Chemistry, 2011, 50, 1506-1512.	4.0	175
52	DNA Binding and Unwinding by Self-Assembled Supramolecular Heterobimetallacycles. Organometallics, 2011, 30, 6343-6346.	2.3	57
53	Hexanuclear self-assembled arene-ruthenium nano-prismatic cages: potential anticancer agents. Chemical Communications, 2011, 47, 5184.	4.1	134
54	Ring-Closing Metathesis Reactions of Terminal Alkene-Derived Cyclic Phosphazenes. Inorganic Chemistry, 2011, 50, 250-260.	4.0	58

#	Article	IF	Citations
55	Palladacycles of novel bisoxazoline chelating ligands based on the dimeric cyclobutadiene linked cobalt sandwich compound [(Î·5-Cp)Co(Î·4-C4Ph3)]2. Dalton Transactions, 2011, 40, 4882.	3.3	23
56	A Unique Non-catenane Interlocked Self-Assembled Supramolecular Architecture and Its Photophysical Properties. Journal of the American Chemical Society, 2011, 133, 19646-19649.	13.7	92
57	Identification and characterization of intermediates in the formation of the cyclobutadiene linked dimeric cobalt sandwich compound [(${eta ^{5}}$ -RCp)Co(${eta^{4}}$ -C 4 Ph 3)] 2 [R ${=}$ H, CH 3 C(O)O]. Journal of Chemical Sciences, 2011, 123, 853-860.	1.5	8
58	Coordination-Driven Self-Assembly of Truncated Tetrahedra Capable of Encapsulating 1,3,5-Triphenylbenzene. Inorganic Chemistry, 2010, 49, 10238-10240.	4.0	43
59	Synthesis of Chlorinated Bicyclic C-Fused Tetrahydrofuro[3,2-c]azetidin-2-ones. Journal of Organic Chemistry, 2010, 75, 7408-7411.	3.2	31
60	Synthesis and Reactions of Ethynylferrocene-Derived Fluoro- and Chlorocyclotriphosphazenes. Inorganic Chemistry, 2010, 49, 5753-5765.	4.0	42
61	Self-Organization in Coordination-Driven Self-Assembly. Accounts of Chemical Research, 2009, 42, 1554-1563.	15.6	670
62	Synthesis, reactivity and structural studies of (Î·5-methylcyclopentadienyl)(Î·4-tetraphenylcyclobutadiene)cobalt and its derivatives. Journal of Organometallic Chemistry, 2008, 693, 3780-3786.	1.8	22