Gurjaspreet Singh

List of Publications by Year in descending order

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103	1,537	304743	414414
papers	citations	22 h-index	32 g-index

104	104	104	1103
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CuAAC-ensembled 1,2,3-triazole-linked isosteres as pharmacophores in drug discovery: review. RSC Advances, 2020, 10, 5610-5635.	3.6	178
2	Photochemical tuning of materials: A click chemistry perspective. Materials Today Chemistry, 2018, 8, 56-84.	3.5	49
3	Design, synthesis and biological evaluation of chalconyl blended triazole allied organosilatranes as giardicidal and trichomonacidal agents. European Journal of Medicinal Chemistry, 2016, 108, 287-300.	5.5	47
4	A strategic approach to the synthesis of ferrocene appended chalcone linked triazole allied organosilatranes: Antibacterial, antifungal, antiparasitic and antioxidant studies. Bioorganic and Medicinal Chemistry, 2019, 27, 188-195.	3.0	47
5	Design and syntheses of novel fluorescent organosilicon-based chemosensors through click silylation: detection of biogenic amines. RSC Advances, 2014, 4, 36834-36844.	3.6	38
6	Synthesis of polyfunctional triethoxysilanes by â€˜click silylationâ€™. Tetrahedron Letters, 2014, 55, 903-909.	1.4	37
7	Schiff base-functionalized silatrane-based receptor as a potential chemo-sensor for the detection of Al³⁺ ions. New Journal of Chemistry, 2021, 45, 7850-7859.	2.8	36
8	Metals as â€œClickâ€•catalysts for alkyne-azide cycloaddition reactions: An overview. Journal of Organometallic Chemistry, 2021, 944, 121846.	1.8	33
9	Three-step pathway towards bis(1,2,3-triazolyl-Î³-propylsilatranes) as Cu2+ fluorescent sensor, via â€˜Click Silylationâ€™. Tetrahedron Letters, 2014, 55, 2551-2558.	1.4	30
10	Synthesis, characterization, electronic absorption and antimicrobial studies of N-(silatranylpropyl)phthalimide derived from phthalic anhydride. Inorganica Chimica Acta, 2015, 427, 232-239.	2.4	30
11	Progressions in hyperâ€“coordinate silicon complexes. Inorganic Chemistry Communication, 2018, 88, 11-20.	3.9	30
12	1-Isothiocyanatosilatrane derived from trisisopropanolamine: Synthesis, characterization, reactivity and theoretical studies. Journal of Organometallic Chemistry, 2012, 719, 21-25.	1.8	29
13	Chalcomer assembly of optical chemosensors for selective Cu²⁺ and Ni²⁺ ion recognition. RSC Advances, 2015, 5, 12644-12654.	3.6	29
14	Design of selective 8-methylquinolinol based ratiometric Fe2+ and Fe3+/H2PO4â^' fluorescent chemosensor mimicking NOR and IMPLICATION logic gates. Journal of Luminescence, 2015, 165, 123-129.	3.1	28
15	Synthesis of novel 1,2,3-triazole based silatranes via â€œclick silylationâ€• Journal of Organometallic Chemistry, 2014, 769, 124-129.	1.8	27
16	Coumarinâ€“derived Organosilatranes: Functionalization at magnetic silica surface and selective recognition of Hg2+ ion. Sensors and Actuators B: Chemical, 2018, 266, 861-872.	7.8	27
17	Robust and Versatile Cu(I) metal frameworks as potential catalysts for azide-alkyne cycloaddition reactions: Review. Molecular Catalysis, 2021, 504, 111432.	2.0	27
18	Synthesis and characterization of modified Schiff base silatranes (MSBS) via â€˜Click Silylationâ€™. Journal of Molecular Structure, 2015, 1079, 173-181.	3.6	26

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19	Schiff base derived bis-organosilanes: Immobilization on silica nanosphere and Cu2+ and Fe3+ dual ion sensing. Inorganica Chimica Acta, 2021, 514, 120028.	2.4	26
20	Organosilanes and their magnetic nanoparticles as naked eye red emissive sensors for Ag⁺ ions and potent anti-oxidants. New Journal of Chemistry, 2021, 45, 5517-5525.	2.8	26
21	Synthesis, characterization and antibacterial studies of schiff based 1,2,3-triazole bridged silatranes. Journal of Organometallic Chemistry, 2018, 871, 21-27.	1.8	25
22	First report of silver ion recognition via a silatrane-based receptor: excellent selectivity, low detection limit and good applicability. New Journal of Chemistry, 2019, 43, 5525-5530.	2.8	23
23	Synthetic approach towards â€˜clickâ€™ modified chalcone based organotriethoxysilanes; UV-Vis study. RSC Advances, 2014, 4, 60853-60865.	3.6	22
24	Organosilatranes with thioester-anchored heterocyclic ring assembly: Cu²⁺ ion binding and fabrication of hybrid silica nanoparticles. RSC Advances, 2015, 5, 65963-65974.	3.6	21
25	A proficient magnetic nano-platform with covalently assembled methyl red indicator for the dual recognition of pH and Hg2+. Sensors and Actuators B: Chemical, 2017, 244, 861-875.	7.8	21
26	Organic-inorganic nano-hybrid decorated by copper (II) incarceration: A versatile catalytic assembly for the swift reduction of aromatic nitro and dye compounds. Molecular Catalysis, 2017, 431, 15-26.	2.0	21
27	Amide-tethered organosilatranes: Syntheses, structural characterization and photophysical properties. Inorganica Chimica Acta, 2015, 433, 78-91.	2.4	20
28	Azo dye featuring triazole appended organosilicon multifunctionalized sensor: Paradigm for detection of Cu+2and Fe+2 ions. Materials Chemistry and Physics, 2020, 249, 123005.	4.0	20
29	Design and synthesis of indole triazole pendant siloxy framework as a chemo sensor for sensing of Cu2+ and Ni2+: A comparison between traditional and microwave method. Inorganica Chimica Acta, 2018, 473, 186-193.	2.4	17
30	1,3-Diazolyl functionalized organopropylsilatranes: Synthesis and structural characterization. Inorganica Chimica Acta, 2014, 413, 203-207.	2.4	16
31	Incorporation of azo group at axial position of silatranes: synthesis, characterization and antimicrobial activity. Applied Organometallic Chemistry, 2015, 29, 549-555.	3.5	16
32	A Clickâ€Generated Triethoxysilane Tethered Ferroceneâ€Chalconeâ€Triazole Triad for Selective and Colorimetric Detection of Cu²⁺ Ions. ChemistrySelect, 2017, 2, 3637-3647.	1.5	16
33	First synthesis of pyrene-functionalized silatranes for mechanistic insights into their potential anti-parasitic and anti-oxidation activities. New Journal of Chemistry, 2017, 41, 15165-15172.	2.8	16
34	Designing the recognition of Sn²⁺ ions and antioxidants: N-heterocyclic organosilatranes and their magnetic nanocomposites. New Journal of Chemistry, 2020, 44, 6238-6250.	2.8	16
35	A quick microwave preparation of isatin hydrazone schiff base conjugated organosilicon compounds: Exploration of their antibacterial, antifungal, and antioxidative potentials. Journal of Organometallic Chemistry, 2021, 953, 122051.	1.8	16
36	Functionalized organosilanes and their magnetic nanoparticles as receptor for Sn (II) ions detection and potent antioxidants. Journal of Molecular Structure, 2022, 1247, 131297.	3.6	16

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37	Thioester-appended organosilatranes: synthetic investigations and application in the modification of magnetic silica surfaces. New Journal of Chemistry, 2016, 40, 6200-6213.	2.8	15
38	Benzothiazole tethered triazole based potential antibacterial agent as a selective fluorometric probe for the detection of Al3+ ions and phenylalanine. Journal of Molecular Structure, 2022, 1262, 132967.	3.6	14
39	Organosilatranes with Acylthiourea Derivatives â€“ Metalâ€Ion Binding, Substituentâ€Dependent Sensitivity, and Prospects for the Fabrication of Magnetic Hybrids. European Journal of Inorganic Chemistry, 2016, 2016, 3000-3011.	2.0	13
40	Synthesis and Characterization of Antioxidant Biphenyl Appended 1,2,3â€Triazoles as Potential Chemoâ€Sensor for Sn²⁺ Ions: Excellent Selectivity and Low Detection Limit. ChemistrySelect, 2021, 6, 7613-7621.	1.5	13
41	Synthesis, characterization and UVâ€“visible study of schiff base-acetylene functionalized organosilatrane receptor for the dual detection of Zn2+ and Co2+ ions. Inorganica Chimica Acta, 2021, 525, 120465.	2.4	13
42	Organosilanes: Synthesis and modification to magnetic silica nanoparticles for recognition of Hg (II) ions. Inorganica Chimica Acta, 2021, 528, 120591.	2.4	13
43	A family of silatraneâ€armed triazoleâ€encapped salicylaldehydeâ€derived Schiff bases: Synthesis, spectral analysis, and antimicrobial and quantum chemical evaluation. Applied Organometallic Chemistry, 2017, 31, e3728.	3.5	12
44	Molecular keypad controlled circuit for Ce(<scp>iii</scp>) and NO₃^{â¯} ions recognition by Î¼w synthesized silicon-embedded organic luminescent sensor. RSC Advances, 2018, 8, 36445-36452.	3.6	12
45	Tetrazole conjoined organosilane and organosilatrane via the â€˜click approachâ€™: a potent Mycobacterium tuberculosis enoyl ACP reductase inhibitor and a dual sensor for Fe(<scp>iii</scp>) and Cu(<scp>ii</scp>) ions. New Journal of Chemistry, 2022, 46, 2094-2104.	2.8	12
46	Heteroaryl chalcone allied triazole conjugated organosilatranes: synthesis, spectral analysis, antimicrobial screening, photophysical and theoretical investigations. RSC Advances, 2016, 6, 82057-82081.	3.6	11
47	Molecular Design, Synthesis, Computational Screening, Antimicrobial Evaluation and Molecular Docking Study of Acetylinic Isatin Hybrids. ChemistrySelect, 2018, 3, 1942-1952.	1.5	11
48	Selective mercury ion recognition using a methyl red (MR) based silatrane sensor. New Journal of Chemistry, 2018, 42, 6315-6321.	2.8	11
49	Chalcone scaffolds as photofunctional hybrid material of indolin-2-one-functionalized siloxy framework for optical sensing of Cu²⁺. New Journal of Chemistry, 2018, 42, 16902-16910.	2.8	11
50	Designing of thiosemicarbazone-triazole linked organotriethoxysilane as UV-Visible and fluorescence sensor for the selective detection of Hg2+ ions and their cytotoxic evaluation. Journal of Molecular Structure, 2022, 1255, 132446.	3.6	11
51	Role of alkyl silatranes as plant growth regulators: comparative substitution effect on root and shoot development of wheat and maize. Journal of the Science of Food and Agriculture, 2018, 98, 5129-5133.	3.5	10
52	Design, synthesis and photophysical aspects of 1,2,3-triazole appended Schiff base functionalized silanes and silatranes. New Journal of Chemistry, 2021, 45, 17356-17365.	2.8	10
53	â€˜Quick CuAACâ€™ Chemistry for Hg(II) and Mn(II) ion sensing via 9H-carbazole derivatives. Inorganica Chimica Acta, 2021, 527, 120560.	2.4	10
54	Chalcone appended Organosilanes and their silica nanoparticles based UVâ€“vis and fluorometric probes for Co2+ ions detection. Inorganica Chimica Acta, 2022, 535, 120827.	2.4	10

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55	Adamantylated organosilatranes: design, synthesis, and potential appraisal in surface modification and anti-protozoal activity. New Journal of Chemistry, 2017, 41, 11626-11639.	2.8	9
56	Synthesis and X-ray characterization of antipyrine-tethered organosilanes and their magnetic nanoparticles: potent anti-oxidants and receptors for Sn(<scp>ii</scp>) ions. New Journal of Chemistry, 2020, 44, 15157-15168.	2.8	9
57	Synthesis of organosilocane allied N-heteroaryl Schiff base chemosensor for the detection of Cu²⁺ metal ions and their biological applications. New Journal of Chemistry, 2020, 44, 13542-13552.	2.8	9
58	Synthetic investigations and photo-physical properties of 1,2,3-triazole encapped chalconyl substituted organotriethoxysilanes. Journal of Organometallic Chemistry, 2015, 777, 6-15.	1.8	8
59	Substituted phenyl urea and thiourea silatranes: Synthesis, characterization and anion recognition properties by photophysical and theoretical studies. Polyhedron, 2016, 112, 51-60.	2.2	8
60	Acetylenic Indoleâ€Encapsulated Schiff Bases: Synthesis, In Silico Studies as Potent Antimicrobial Agents, Cytotoxic Evaluation and Synergistic Effects. ChemistrySelect, 2018, 3, 2366-2375.	1.5	8
61	Synthesis and structural characterization of first adenine containing organosilicon nucleobase for the recognition of Cu 2+ ion. Inorganica Chimica Acta, 2018, 479, 74-82.	2.4	8
62	Ester appended organosilatranes: Paradigm for the detection of Cu2+, Pb2+ and Hg2+ ion. Inorganica Chimica Acta, 2019, 490, 85-92.	2.4	8
63	First Report on the Synthesis of Antipyrine Crowned Siloxy Framework: Optical Recognition of Fe²⁺ and Hg²⁺ Ions. ChemistrySelect, 2020, 5, 8823-8830.	1.5	8
64	Propargyl-functionalized single arm allied Anthracene based Schiff bases: Crystal structure, solvatochromism and selective recognition of Fe3+ ion. Journal of Molecular Structure, 2021, 1229, 129618.	3.6	8
65	Designing of chalcone functionalized 1,2,3-triazole allied bis-organosilanes as potent antioxidants and optical sensor for recognition of Sn2+ and Hg2+ ions. Journal of Organometallic Chemistry, 2021, 953, 122049.	1.8	8
66	Pyrazolyl-Imidazole clubbed 1,2,3-triazoles: Synthesis, structure explication and antimicrobial evaluation. Journal of Molecular Structure, 2022, 1262, 133060.	3.6	8
67	Design, crystal structures and sustainable synthesis of family of antipyrine derivatives: Abolish to bacterial and parasitic infection. Journal of Molecular Structure, 2020, 1199, 127010.	3.6	7
68	Pyridine derived organosilatranes and their silica nanoparticles as â€œTurn-onâ€•fluorescence sensor for selective detection of Zn2+ ions and their cytotoxicity evaluation. Inorganica Chimica Acta, 2022, 537, 120926.	2.4	7
69	Synthesis and characterization of microwaveâ€assisted biologically active triazole silanes. Applied Organometallic Chemistry, 2019, 33, e4695.	3.5	6
70	Bis-triazole with indole pendant Organosilicon framework: Probe for recognition of Pb2+ ions. Journal of Molecular Structure, 2021, 1231, 129963.	3.6	6
71	Click generated o-Cresolphthalein linked 1,2,3-triazole derivative for selective Pb(II) ion recognition. Journal of Molecular Structure, 2022, 1251, 131985.	3.6	6
72	Fabrication of silicon embedded isomeric chalcone linkers using [CuBr(PPh3)3]. Polyhedron, 2017, 125, 93-100.	2.2	5

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73	Synthesis and Immobilization of Benzothiazoleâ€Appended Triazoleâ€Silane: Biological Evaluation and Molecular Docking Approach. ChemistrySelect, 2018, 3, 1609-1614.	1.5	5
74	Bis-Organosilicon based receptor for detection of Hg2+ ions: Low detection limit and excellent selectivity. Journal of Organometallic Chemistry, 2020, 923, 121458.	1.8	5
75	New pyrimidine based organosilicon compounds as receptor for selective recognition of Cu2+ ions. Journal of Molecular Structure, 2020, 1216, 128220.	3.6	5
76	Copper (I)-catalyzed â€˜Quick Clickâ€™ generated 1,2,3-triazole anthraquinone linkers for selective detection of Fe (II) ions. Inorganic Chemistry Communication, 2022, 141, 109524.	3.9	5
77	Organo-functionalized trimethoxysilanes featuring thioester linkage: Synthetic and UVâ€“Vis spectral investigations. Journal of Organometallic Chemistry, 2016, 808, 1-11.	1.8	4
78	Schiff base functionalized Organopropylsilatranes: Synthesis and structural characterization. Journal of Chemical Sciences, 2016, 128, 193-200.	1.5	4
79	Unsymmetrically urea silatranes: Synthesis, characterization and a selective onâ€“off fluorescence response to acetate anion. Arabian Journal of Chemistry, 2017, 10, 523-531.	4.9	4
80	Polycyclic aromatic hydrocarbon functionalized organosilocanes based chemosensors: Synthesis, magnetic nanoparticles and biological application. Journal of Molecular Structure, 2020, 1221, 128811.	3.6	4
81	Triazole Containing Salicylimine Linked Organosilocane for Recognition of Ce3+ Ions in Aqueous Media. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 997-1005.	3.7	4
82	Design and synthesis of 4-aminoantipyrine appended triazole linked bis-organosilane and their silica nanoparticles for selective recognition of Fe3+ ions. Journal of Molecular Structure, 2022, 1250, 131766.	3.6	4
83	A veratraldehyde-appended organosilicon probe and its hybrid silica nanoparticles as a dual chemosensor for colorimetric and fluorimetric detection of Cu²⁺ and Fe³⁺ ions. New Journal of Chemistry, 2021, 46, 370-384.	2.8	4
84	Pyrazinederived 1,2,3-triazole linked silanes and their magnetic nanoparticles for the colorimetric and fluorimetric dual sensing of Cu2+ ions. Journal of Molecular Structure, 2022, 1259, 132512.	3.6	4
85	1-Adamantanamine-based triazole-appended organosilanes as chromogenic â€œnaked-eyeâ€•and fluorogenic â€œturn-onâ€•sensors for the highly selective detection of Sn²⁺ ions. New Journal of Chemistry, 2022, 46, 7055-7069.	2.8	4
86	The first report of the synthesis of organo-functionalized triethoxysilanes via a Knoevenagel condensation approach. New Journal of Chemistry, 2018, 42, 12467-12471.	2.8	3
87	Benzothiazole Encapped Silane and Its Nano Composites for Sequential Detection of Copper Ions and Cysteine in Aqueous Solution. ChemistrySelect, 2021, 6, 2281-2287.	1.5	3
88	Anthraceneâ€Based Triazolyl Triethoxysilanes as Selective and Colorimetric Sensor for Cysteine: Rationalization towards Stability Factors, Therapeutics Evaluation and Molecular Docking. ChemistrySelect, 2021, 6, 8899-8911.	1.5	3
89	Design of pyrene functionalized triazole linked organosilane for specific detection of Ce3+ ions. Journal of Molecular Structure, 2021, 1243, 130787.	3.6	3
90	Colorimetric detection of Fe3+ ions using Schiff base-chalcone functionalized bis(1,2,3-triazolyl-Î³-propyltriethoxysilanes). Inorganica Chimica Acta, 2021, 527, 120576.	2.4	3

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91	Graphene oxide functionalized organosilane based fluorescent biosensor for detecting guanine in human urine. Materials Chemistry and Physics, 2022, 287, 126130.	4.0	3
92	An expedient â€˜clickâ€™ approach for the synthetic evaluation of esterâ€triazoleâ€tethered organosilica conjugates. Applied Organometallic Chemistry, 2018, 32, e4028.	3.5	2
93	Synthesis, Characterization, Hydrolytic Stability, Nickel(II) Chloride Complex and Anti-Parasitic Activity of Pyrene-Tethered Silatranes. Polycyclic Aromatic Compounds, 2021, 41, 173-183.	2.6	2
94	The first report of X-ray characterized organosilatrane-based receptors for the electrochemical analysis of Al³⁺ ions. New Journal of Chemistry, 2021, 45, 16083-16091.	2.8	2
95	Development of 3-Acetylcoumarin derived organosilane as potent antioxidant: Selective and sensitive colorimetric and fluorescent sensor for Al3+ ions. Inorganica Chimica Acta, 2022, 537, 120921.	2.4	2
96	Schiff Based Silatranyl Compounds Exhibiting â€˜Fe3+ and Mn2+ Fluorescence Dual Ion Sensing and Antibacterial Activityâ€™. Silicon, 2018, 10, 2817-2827.	3.3	1
97	2,5-Dimercapto-1,3,4-Thiadiazole Tethered Î³-Propylsilatrane: Syntheses, Characterization, UV-Vis and Electrochemical Studies. Silicon, 2019, 11, 2583-2589.	3.3	1
98	2,5-Dimercapto-1,3,4-Thiadiazole Tethered Î³-Propylsilatrane: Syntheses, Characterization, UV-Vis and Electrochemical Studies. Silicon, 2019, 11, 2575-2582.	3.3	1
99	Clickâ€Derived Uracilâ€Appended Organosilatranyl Scaffolds: Synthesis, Antibacterial Characteristics, Pb2+ Binding and Fabrication of Hybrid Silica Nanoparticles. ChemistrySelect, 2020, 5, 284-292.	1.5	1
100	Thiosemicarbazone-triazole bearing siloxy framework for the detection of Hg2+ and Cu2+ ions and their potent cytotoxic activity. Inorganica Chimica Acta, 2022, 542, 121087.	2.4	1
101	Synthesis, characterization and reactivity study of ethoxytriisothiocyanatosilane. AIP Conference Proceedings, 2017, , .	0.4	0
102	Design and Synthesis of Heterocyclic Encapsulated Organosilatranes for In Silico, In Vitro Antioxidant and Cytotoxicity Evaluation. ChemistrySelect, 2020, 5, 15055-15060.	1.5	0
103	New energy harvesting using conjugated chalconyl-organosiloxyl framework. Materials Chemistry and Physics, 2022, 279, 125751.	4.0	0