

Mohammad Shahid

List of Publications by Year in descending order

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papers

2,076
citations

186209

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times ranked

2536
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#	ARTICLE	IF	CITATIONS
1	Hydrogen bond and nucleophilicity motifs in the design of molecular probes for $\text{CN}^{\supset\hat{a}}$ and $\text{F}\hat{a}^{\supset}$ ions. Monatshefte für Chemie, 2021, 152, 1401-1435.	0.9	1
2	Imidazole-coumarin containing D- \hat{a} type fluorescent probe: Synthesis photophysical properties and sensing behavior for $\text{F}\hat{a}^{\supset}$ and $\text{CN}^{\supset\hat{a}}$ anion. Dyes and Pigments, 2020, 175, 108163.	2.0	36
3	A simple naphthalimide based PET probe for Fe^{3+} and selective detection of pyrophosphate through displacement approach: Cell imaging studies and logic interpretation. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 403, 112854.	2.0	16
4	Fluorescence quenching of molybdenum disulfide quantum dots for metal ion sensing. Monatshefte für Chemie, 2020, 151, 729-741.	0.9	5
5	A sensitive TICT Probe exhibiting ratiometric fluorescence response to detect hydrazine in solution and gas phase. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 232, 118153.	2.0	22
6	Sensitive colorimetric detection of $\text{CN}^{\supset\hat{a}}$ and $\text{AcO}^{\supset\hat{a}}$ anions in a semi-aqueous environment through a coumarin-naphthalene conjugate azo dye. New Journal of Chemistry, 2019, 43, 5126-5132.	1.4	28
7	A Chemodosimeter Exhibiting Fluorescence Turn-On Response to Detect Copper(II) Ions: Cell Imaging and Logic Function. ChemistrySelect, 2019, 4, 2761-2765.	0.7	2
8	In Situ Functionalized Fluorescent WS_2 -QDs as Sensitive and Selective Probe for Fe^{3+} and a Detailed Study of Its Fluorescence Quenching. ACS Applied Nano Materials, 2019, 2, 566-576.	2.4	57
9	An Efficient Molecular Scaffold Exhibiting Fluorescence Turn-On Response for Cyanide and HCN. ChemistrySelect, 2018, 3, 2025-2031.	0.7	6
10	Smart PET based organic scaffold exhibiting bright green fluorescence to detect Fe^{3+} ion: Live cell imaging and logic implication. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 358, 157-166.	2.0	25
11	Michael Reaction Based Simple Fluorescent Chemodosimeter to Detect Cys in Partial Aqueous Medium. ChemistrySelect, 2018, 3, 12900-12906.	0.7	2
12	Excited state proton transfer (ESIPT) based molecular probe to sense $\text{F}\hat{a}^{\supset}$ and $\text{CN}^{\supset\hat{a}}$ anions through a fluorescence turn-on response. New Journal of Chemistry, 2018, 42, 11746-11754.	1.4	34
13	Dual Fluorophore Containing Efficient Photoinduced Electron Transfer Based Molecular Probe for Selective Detection of Cr^{3+} and PO_4^{3-} Ions through Fluorescence Turn-Off Response in Partial Aqueous and Biological Medium: Live Cell Imaging and Logic Application. Analytical Chemistry, 2018, 90, 10974-10981.	3.2	40
14	An efficient molecular probe for visual detection of adenosine triphosphate in aqueous medium. Journal of Luminescence, 2018, 203, 195-202.	1.5	4
15	Synthesis and evaluation of a tri-armed molecular receptor for recognition of mercury and cyanide toxicants. Supramolecular Chemistry, 2017, 29, 111-119.	1.5	12
16	Synthesis and application of a new class of D- \hat{a} type charge transfer probe containing imidazole-naphthalene units for detection of $\text{F}\hat{a}^{\supset}$ and CO_2 . RSC Advances, 2017, 7, 4941-4949.	1.7	18
17	An efficient Hg^{2+} ensemble based on a triazole bridged anthracene and quinoline system for selective detection of cyanide through fluorescence turn-off response in solution and live cell. Sensors and Actuators B: Chemical, 2017, 251, 729-738.	4.0	37
18	Dansylated adenine as a molecular probe for exploring hydrophobic pocket of bovine serum albumin (BSA) and its utility for mercury ion recognition. Journal of Luminescence, 2017, 188, 460-464.	1.5	10

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19	Synthesis of Distally Substituted Calix[4]arene Dialkyl Ethers in High Yield. <i>Organic Preparations and Procedures International</i> , 2017, 49, 228-235.	0.6	4
20	Molecular structure, supramolecular association and anion sensing by chlorodiorganotin(IV) methylferrocenyldithiocarbamates. <i>Journal of Molecular Structure</i> , 2017, 1145, 197-203.	1.8	5
21	pH Dependent Optical Switching and Fluorescence Modulation of Molybdenum Sulfide Quantum Dots. <i>Advanced Optical Materials</i> , 2017, 5, 1601021.	3.6	32
22	Photoenolization via excited state proton transfer and ion sensing studies of hydroxy imidazole derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 335, 190-199.	2.0	25
23	Proficient molecular receptor exhibiting "On-Off" excimer fluorescence with fluoride and mercury toxicants. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 349, 224-229.	2.0	7
24	Novel calix[4]arene based metallo-supramolecular complex for recognition of cyanide ions in aqueous medium. <i>Supramolecular Chemistry</i> , 2017, 29, 290-295.	1.5	1
25	Towards a Pathway Inventory of the Human Brain for Modeling Disease Mechanisms Underlying Neurodegeneration. <i>Journal of Alzheimer's Disease</i> , 2016, 52, 1343-1360.	1.2	14
26	Phenyl-end-capped-thiophene (P-T type) based ICT fluorescent probe (Dâ€“â€“A) for detection of Hg ²⁺ and Cu ²⁺ ions: Live cell imaging and logic operation at molecular level. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 324, 106-116.	2.0	27
27	Off " On " Off fluorescence behavior of an intramolecular charge transfer probe toward anions and CO ₂ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 168, 21-28.	2.0	14
28	A new Dâ€“â€“A type intramolecular charge transfer Dyad System to detect Fâˆ“: Anion induced CO ₂ sensing. <i>Sensors and Actuators B: Chemical</i> , 2016, 236, 520-528.	4.0	11
29	A calix[4]arene based turn off/turn on molecular receptor for Cu ²⁺ and CN ⁻ ions in aqueous medium. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 470-478.	4.0	24
30	An efficient ICT based fluorescent turn-on dyad for selective detection of fluoride and carbon dioxide. <i>New Journal of Chemistry</i> , 2016, 40, 162-170.	1.4	32
31	Dyeâ€“sensitized Solar Cells with Biferrocenyl Antennae Having Quinoxaline Spacers. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3700-3707.	1.0	29
32	Triazole-appended BODIPYâ€“piperazine conjugates and their efficacy toward mercury sensing. <i>New Journal of Chemistry</i> , 2015, 39, 2233-2239.	1.4	19
33	Exploration of a library of triazolothiadiazole and triazolothiadiazine compounds as a highly potent and selective family of cholinesterase and monoamine oxidase inhibitors: design, synthesis, X-ray diffraction analysis and molecular docking studies. <i>RSC Advances</i> , 2015, 5, 21249-21267.	1.7	45
34	Highly sensitive cell imaging "Off" fluorescent probe for mitochondria and ATP. <i>Biosensors and Bioelectronics</i> , 2015, 69, 179-185.	5.3	52
35	Tetrasubstituted imidazole core containing ESIPT fluorescent chemodosimeter for selective detection of cyanide in different medium. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 1236-1247.	4.0	34
36	A polynuclear hetero atom containing molecular organic scaffold to detect Al ³⁺ ion through a fluorescence turn-on response. <i>RSC Advances</i> , 2015, 5, 61513-61520.	1.7	13

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37	Smart excimer fluorescence probe for visual detection, cell imaging and extraction of Hg ²⁺ . RSC Advances, 2015, 5, 79538-79547.	1.7	16
38	A coumarin-derived useful scaffold exhibiting Cu ²⁺ induced fluorescence quenching and fluoride sensing (On ^{Off} On) via copper displacement approach. Sensors and Actuators B: Chemical, 2015, 209, 162-171.	4.0	86
39	Simple Michael acceptor type coumarin derived turn-on fluorescence probes to detect cyanide in pure water. Tetrahedron Letters, 2014, 55, 2936-2941.	0.7	44
40	A new calix[4]arene based molecular probe for selective and sensitive detection of CN ⁻ ions in aqueous media. New Journal of Chemistry, 2014, 38, 2763-2765.	1.4	16
41	An azo based colorimetric probe for the detection of cysteine and lysine amino acids and its real application in human blood plasma. RSC Advances, 2014, 4, 16999.	1.7	29
42	Selective Naked-Eye Detection of Hg ²⁺ through an Efficient Turn-On Photoinduced Electron Transfer Fluorescent Probe and Its Real Applications. Analytical Chemistry, 2014, 86, 8693-8699.	3.2	113
43	An efficient multichannel probe to detect anions in different media and its real application in human blood plasma. RSC Advances, 2014, 4, 22308.	1.7	19
44	A selective quinoline-derived fluorescent chemodosimeter to detect cyanide in aqueous medium. Tetrahedron Letters, 2014, 55, 1052-1056.	0.7	38
45	A new fluorescent pyrene ^{pyridine} dithiocarbamate probe: A chemodosimeter to detect Hg ²⁺ in pure aqueous medium and in live cells. Journal of Luminescence, 2014, 154, 502-510.	1.5	12
46	Detection of Zn ²⁺ ion on a reusable fluorescent mesoporous silica beads in aqueous medium. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2013, 77, 241-248.	0.9	8
47	A hetero-bimetallic(Cu ^{Ru}) chromogenic and fluorogenic complex as receptor of soft metal ions. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2013, 76, 125-132.	1.6	0
48	A simple and sensitive intramolecular charge transfer fluorescent probe to detect CN ⁻ in aqueous media and living cells. Analytical Methods, 2013, 5, 434-437.	1.3	46
49	Thiourea based molecular dyad (ANTU): Fluorogenic Hg ²⁺ selective chemodosimeter exhibiting blue ^{green} fluorescence in aqueous-ethanol environment. Sensors and Actuators B: Chemical, 2013, 181, 584-595.	4.0	45
50	A simple blue fluorescent probe to detect Hg ²⁺ in semiaqueous environment by intramolecular charge transfer mechanism. Tetrahedron Letters, 2013, 54, 3688-3693.	0.7	32
51	Glycosyl based meso-substituted dipyrromethanes as fluorescent probes for Cd ²⁺ /Cu ²⁺ ions. Tetrahedron Letters, 2013, 54, 4193-4197.	0.7	12
52	A simple naphthalimide-based receptor for selective recognition of fluoride anion. Arkivoc, 2013, 2013, 133-145.	0.3	2
53	Synthesis and Characterization of Electroactive Ferrocene Derivatives: Ferrocenylimidazoquinazoline as a Multichannel Chemosensor Selectively for Hg ²⁺ and Pb ²⁺ Ions in an Aqueous Environment. Inorganic Chemistry, 2012, 51, 298-311.	1.9	85
54	Fluorescent probe mimicking multiple logic gates and a molecular keypad lock upon interaction with Hg ²⁺ and bovine serum albumin. Analyst, The, 2012, 137, 3470.	1.7	39

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55	Optoelectronic behavior of bischromophoric dyads exhibiting Zn ²⁺ /F ⁻ ions induced "turn-On/Off" fluorescence. <i>Sensors and Actuators B: Chemical</i> , 2012, 169, 327-340.	4.0	39
56	A useful scaffold based on acenaphthene exhibiting Cu ²⁺ induced excimer fluorescence and sensing cyanide via Cu ²⁺ displacement approach. <i>Tetrahedron</i> , 2012, 68, 9076-9084.	1.0	78
57	Photoassisted "Gate-Lock" Fluorescence "Turn-on" in a New Schiff Base and Coordination Ability of Zn Isomers. <i>Organic Letters</i> , 2012, 14, 592-595.	2.4	12
58	Design and synthesis of fluorescent 6-aryl[1,2-c]quinazolines serving as selective and sensitive "on-off"™ chemosensor for Hg ²⁺ in aqueous media. <i>Tetrahedron Letters</i> , 2012, 53, 3550-3555.	0.7	31
59	Protein assisted fluorescence enhancement of a dansyl containing fluorescent reagent: Detection of Hg ⁺ ion in aqueous medium. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 5051.	1.5	33
60	Fluorescent Zinc(II) Complex Exhibiting "On-Off-On" Switching Toward Cu ²⁺ and Ag ⁺ Ions. <i>Inorganic Chemistry</i> , 2011, 50, 3189-3197.	1.9	118
61	Synthesis of Well-Defined Amphiphilic Poly(μ -caprolactone)- <i>b</i> -poly(N-vinylpyrrolidone) Block Copolymers via the Combination of ROP and Xanthate-Mediated RAFT Polymerization. <i>Macromolecules</i> , 2011, 44, 2465-2473.	2.2	73
62	An efficient naphthalimide based fluorescent dyad (ANPI) for F ⁻ and Hg ²⁺ mimicking OR, XNOR and INHIBIT logic functions. <i>New Journal of Chemistry</i> , 2011, 35, 1690.	1.4	57
63	Fluorescent chemosensor: recognition of metal ions in aqueous medium by fluorescence quenching. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2011, 69, 119-129.	1.6	19
64	An efficient fluoroionophore for selective recognition of Hg ²⁺ and Cu ²⁺ ions. <i>Thin Solid Films</i> , 2010, 519, 1235-1239.	0.8	5
65	Chromo and Fluorogenic Properties of Some Azo-Phenol Derivatives and Recognition of Hg ²⁺ Ion in Aqueous Medium by Enhanced Fluorescence. <i>Journal of Physical Chemistry C</i> , 2010, 114, 16726-16739.	1.5	58
66	Immobilization of self-quenched DNA hairpin probe with a heterobifunctional reagent on a glass surface for sensitive detection of oligonucleotides. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 5826-5833.	1.4	11
67	A probe for detection of G-rich target strands through fluorescence quenching. <i>Russian Journal of Bioorganic Chemistry</i> , 2009, 35, 62-67.	0.3	4
68	An efficient thiourea-based colorimetric chemosensor for naked-eye recognition of fluoride and acetate anions: UV-vis and ¹ HNMR studies. <i>Talanta</i> , 2009, 80, 532-538.	2.9	65
69	Microwave-assisted synthesis of 1,8-naphthalic anhydride and fluorescent probes based on its derivatives. <i>Monatshefte für Chemie</i> , 2009, 140, 1209-1215.	0.9	3
70	N-(3-Triethoxysilylpropyl)-4-(isothiocyanatomethyl)-cyclohexane-1-carboxamide (TPICC): A heterobifunctional reagent for immobilization of biomolecules on glass surface. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 5217-5221.	1.0	4
71	Design and Synthesis of Hairpin Probe for Specific Mis-match Discrimination. <i>Nucleic Acids Symposium Series</i> , 2007, 51, 311-312.	0.3	3
72	N-(3-Triethoxysilylpropyl)-4-(N ² -maleimidylmethyl)cyclohexanamide (TPMC): A heterobifunctional reagent for immobilization of oligonucleotides on glass surface. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 3749-3753.	1.0	8

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73	Synthesis of hairpin probe using deoxyguanosine as a quencher: Fluorescence and hybridization studies. <i>Analytical Biochemistry</i> , 2007, 364, 86-88.	1.1	34
74	Immobilization of oligonucleotides on glass surface using an efficient heterobifunctional reagent through maleimide-thiol combination chemistry. <i>Analytical Biochemistry</i> , 2007, 369, 248-255.	1.1	19
75	Synthesis and Fluorescence Studies of Multiple Labeled Oligonucleotides Containing Dansyl Fluorophore Covalently Attached at 2'-Terminus of Cytidine via Carbamate Linkage. <i>Bioconjugate Chemistry</i> , 2004, 15, 638-646.	1.8	17