

Mohammad Shahid

List of Publications by Citations

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74
papers

1,687
citations

25
h-index

38
g-index

75
ext. papers

1,893
ext. citations

4.1
avg, IF

4.9
L-index

#	Paper	IF	Citations
74	Selective naked-eye detection of Hg ²⁺ through an efficient turn-on photoinduced electron transfer fluorescent probe and its real applications. <i>Analytical Chemistry</i> , 2014 , 86, 8693-9	7.8	99
73	Fluorescent zinc(II) complex exhibiting "on-off-on" switching toward Cu ²⁺ and Ag ⁺ ions. <i>Inorganic Chemistry</i> , 2011 , 50, 3189-97	5.1	99
72	Synthesis and characterization of electroactive ferrocene derivatives: ferrocenylimidazoquinazoline as a multichannel chemosensor selectively for Hg ²⁺ and Pb ²⁺ ions in an aqueous environment. <i>Inorganic Chemistry</i> , 2012 , 51, 298-311	5.1	75
71	A coumarin-derived useful scaffold exhibiting Cu ²⁺ induced fluorescence quenching and fluoride sensing (On/Off/On) via copper displacement approach. <i>Sensors and Actuators B: Chemical</i> , 2015 , 209, 162-171	8.5	72
70	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	2.4	66
69	Synthesis of Well-Defined Amphiphilic Poly(ϵ -caprolactone)-b-poly(N-vinylpyrrolidone) Block Copolymers via the Combination of ROP and Xanthate-Mediated RAFT Polymerization. <i>Macromolecules</i> , 2011 , 44, 2465-2473	5.5	65
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, 532-8	6.2	61
67	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	3.6	53
66	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	3.8	49
65	Simple Michael acceptor type coumarin derived turn-on fluorescence probes to detect cyanide in pure water. <i>Tetrahedron Letters</i> , 2014 , 55, 2936-2941	2	41
64	Thiourea based molecular dyad (ANTU): Fluorogenic Hg ²⁺ selective chemodosimeter exhibiting blue/green fluorescence in aqueous-ethanol environment. <i>Sensors and Actuators B: Chemical</i> , 2013 , 181, 584-595	8.5	41
63	Highly sensitive cell imaging "Off-On" fluorescent probe for mitochondria and ATP. <i>Biosensors and Bioelectronics</i> , 2015 , 69, 179-85	11.8	40
62	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	3.7	40
61	A simple and sensitive intramolecular charge transfer fluorescent probe to detect CN ⁻ in aqueous media and living cells. <i>Analytical Methods</i> , 2013 , 5, 434-437	3.2	39
60	Fluorescent probe mimicking multiple logic gates and a molecular keypad lock upon interaction with Hg ²⁺ and bovine serum albumin. <i>Analyst, The</i> , 2012 , 137, 3470-8	5	39
59	A selective quinoline-derived fluorescent chemodosimeter to detect cyanide in aqueous medium. <i>Tetrahedron Letters</i> , 2014 , 55, 1052-1056	2	35
58	Optoelectronic behavior of bischromophoric dyads exhibiting Zn ²⁺ /F ⁻ ions induced On/Off fluorescence. <i>Sensors and Actuators B: Chemical</i> , 2012 , 169, 327-340	8.5	35

57	Synthesis of hairpin probe using deoxyguanosine as a quencher: Fluorescence and hybridization studies. <i>Analytical Biochemistry</i> , 2007 , 364, 86-8	3.1	33
56	Excited state proton transfer (ESIPT) based molecular probe to sense F ⁻ and CN ⁻ anions through a fluorescence "turn-on" response. <i>New Journal of Chemistry</i> , 2018 , 42, 11746-11754	3.6	30
55	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	8.5	28
54	Dual Fluorophore Containing Efficient Photoinduced Electron Transfer Based Molecular Probe for Selective Detection of Cr and PO Ions through Fluorescence "Turn-On-Off" Response in Partial Aqueous and Biological Medium: Live Cell Imaging and Logic Application. <i>Analytical Chemistry</i> , 2018 , 90, 10974-10981	7.8	28
53	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, 5051-5	3.9	28
52	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. <i>Sensors and Actuators B: Chemical</i> , 2017 , 251, 729-738	8.5	26
51	A simple blue fluorescent probe to detect Hg ²⁺ in semiaqueous environment by intramolecular charge transfer mechanism. <i>Tetrahedron Letters</i> , 2013 , 54, 3688-3693	2	26
50	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	3.6	25
49	Dye-Sensitized Solar Cells with Biferrocenyl Antennae Having Quinoxaline Spacers. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 3700-3707	2.3	25
48	In Situ Functionalized Fluorescent WS ₂ -QDs as Sensitive and Selective Probe for Fe ³⁺ and a Detailed Study of Its Fluorescence Quenching. <i>ACS Applied Nano Materials</i> , 2019 , 2, 566-576	5.6	25
47	An azo based colorimetric probe for the detection of cysteine and lysine amino acids and its real application in human blood plasma. <i>RSC Advances</i> , 2014 , 4, 16999	3.7	23
46	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	2	23
45	Phenyl-end-capped-thiophene (P-T type) based ICT fluorescent probe (D ₂ 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	4.7	20
44	pH Dependent Optical Switching and Fluorescence Modulation of Molybdenum Sulfide Quantum Dots. <i>Advanced Optical Materials</i> , 2017 , 5, 1601021	8.1	19
43	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	8.5	19
42	Smart PET based organic scaffold exhibiting bright "turn-on" green fluorescence to detect Fe ³⁺ ion: Live cell imaging and logic implication. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 358, 157-166	4.7	18
41	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		18
40	Imidazole-coumarin containing D ₂ A type fluorescent probe: Synthesis photophysical properties and sensing behavior for F ⁻ and CN ⁻ anion. <i>Dyes and Pigments</i> , 2020 , 175, 108163	4.6	18

- 39 Sensitive colorimetric detection of CN^- and AcO^- anions in a semi-aqueous environment through a coumarin-naphthalene conjugate azo dye. *New Journal of Chemistry*, **2019**, 43, 5126-5132 3.6 17
- 38 Synthesis and fluorescence studies of multiple labeled oligonucleotides containing dansyl fluorophore covalently attached at 2'-terminus of cytidine via carbamate linkage. *Bioconjugate Chemistry*, **2004**, 15, 638-46 6.3 17
- 37 Triazole-appended BODIPY-piperazine conjugates and their efficacy toward mercury sensing. *New Journal of Chemistry*, **2015**, 39, 2233-2239 3.6 16
- 36 Immobilization of oligonucleotides on glass surface using an efficient heterobifunctional reagent through maleimide-thiol combination chemistry. *Analytical Biochemistry*, **2007**, 369, 248-55 3.1 16
- 35 Photoenolization via excited state proton transfer and ion sensing studies of hydroxy imidazole derivatives. *Journal of Photochemistry and Photobiology A: Chemistry*, **2017**, 335, 190-199 4.7 15
- 34 Smart excimer fluorescence probe for visual detection, cell imaging and extraction of Hg^{2+} . *RSC Advances*, **2015**, 5, 79538-79547 3.7 15
- 33 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 3.6 15
- 32 An efficient multichannel probe to detect anions in different media and its real application in human blood plasma. *RSC Advances*, **2014**, 4, 22308 3.7 15
- 31 A polynuclear hetero atom containing molecular organic scaffold to detect Al^{3+} ion through a fluorescence turn-on response. *RSC Advances*, **2015**, 5, 61513-61520 3.7 13
- 30 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, 118153-118153 4.4 13
- 29 Off-On-Off fluorescence behavior of an intramolecular charge transfer probe toward anions and CO_2 . *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2016**, 168, 21-28 4.4 12
- 28 Synthesis and application of a new class of $\text{D}\pi\text{A}$ type charge transfer probe containing imidazole-naphthalene units for detection of F^- and CO_2 . *RSC Advances*, **2017**, 7, 4941-4949 3.7 11
- 27 Immobilization of self-quenched DNA hairpin probe with a heterobifunctional reagent on a glass surface for sensitive detection of oligonucleotides. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 5826-33 3.4 11
- 26 Towards a Pathway Inventory of the Human Brain for Modeling Disease Mechanisms Underlying Neurodegeneration. *Journal of Alzheimer's Disease*, **2016**, 52, 1343-60 4.3 11
- 25 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 3.8 10
- 24 Photoassisted "gate-lock" fluorescence "turn-on" in a new Schiff base and coordination ability of E-Z isomers. *Organic Letters*, **2012**, 14, 592-5 6.2 10
- 23 Glycosyl based meso-substituted dipyrromethanes as fluorescent probes for $\text{Cd}^{2+}/\text{Cu}^{2+}$ ions. *Tetrahedron Letters*, **2013**, 54, 4193-4197 2 9
- 22 Synthesis and evaluation of a tri-armed molecular receptor for recognition of mercury and cyanide toxicants. *Supramolecular Chemistry*, **2017**, 29, 111-119 1.8 8

21	A new DNA type intramolecular charge transfer Dyad System to detect F ⁻ Anion induced CO ₂ sensing. <i>Sensors and Actuators B: Chemical</i> , 2016 , 236, 520-528	8.5	8
20	N-(3-Triethoxysilylpropyl)-4-(N'-maleimidylmethyl)cyclohexanamide (TPMC): a heterobifunctional reagent for immobilization of oligonucleotides on glass surface. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007 , 17, 3749-53	2.9	8
19	Dansylated adenine as a molecular probe for exploring hydrophobic pocket of bovine serum albumin (BSA) and its utility for mercury ion recognition. <i>Journal of Luminescence</i> , 2017 , 188, 460-464	3.8	6
18	Detection of Zn ²⁺ ion on a reusable fluorescent mesoporous silica beads in aqueous medium. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2013 , 77, 241-248	1.7	6
17	A simple naphthalimide based PET probe for Fe ³⁺ and selective detection of pyrophosphate through displacement approach: Cell imaging studies and logic interpretation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020 , 403, 112854	4.7	5
16	Molecular structure, supramolecular association and anion sensing by chlorodiorganotin(IV) methylferrocenyldithiocarbamates. <i>Journal of Molecular Structure</i> , 2017 , 1145, 197-203	3.4	4
15	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	4.7	4
14	Fluorescence probe sensitive to detect G-rich target strands through quenching. <i>Russian Journal of Bioorganic Chemistry</i> , 2009 , 35, 70-5	1	4
13	Synthesis of Distally Substituted Calix[4]arene Dialkyl Ethers in High Yield. <i>Organic Preparations and Procedures International</i> , 2017 , 49, 228-235	1.1	3
12	Fluorescence quenching of molybdenum disulfide quantum dots for metal ion sensing. <i>Monatshefte für Chemie</i> , 2020 , 151, 729-741	1.4	3
11	An Efficient Molecular Scaffold Exhibiting Fluorescence Turn-On Response for Cyanide and HCN. <i>ChemistrySelect</i> , 2018 , 3, 2025-2031	1.8	3
10	Microwave-assisted synthesis of 1,8-naphthalic anhydride and fluorescent probes based on its derivatives. <i>Monatshefte für Chemie</i> , 2009 , 140, 1209-1215	1.4	3
9	An efficient fluoroionophore for selective recognition of Hg ²⁺ and Cu ²⁺ ions. <i>Thin Solid Films</i> , 2010 , 519, 1235-1239	2.2	3
8	Design and synthesis of hairpin probe for specific mis-match discrimination. <i>Nucleic Acids Symposium Series</i> , 2007 , 311-2		3
7	A Chemodosimeter Exhibiting Fluorescence Turn-On Response to Detect Copper(II) Ions: Cell Imaging and Logic Function. <i>ChemistrySelect</i> , 2019 , 4, 2761-2765	1.8	2
6	An efficient molecular probe for visual detection of adenosine triphosphate in aqueous medium. <i>Journal of Luminescence</i> , 2018 , 203, 195-202	3.8	2
5	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, 5217-21	2.9	2
4	Michael-Reaction-Based Simple Turn-On Fluorescent Chemodosimeter to Detect Cys in Partial Aqueous Medium. <i>ChemistrySelect</i> , 2018 , 3, 12900-12906	1.8	2

- 3 Novel calix[4]arene based metallo-supramolecular complex for recognition of cyanide ions in aqueous medium. *Supramolecular Chemistry*, **2017**, 29, 290-295 1.8 1
- 2 A hetero-bimetallic(CuRu) chromogenic and fluorogenic complex as receptor of soft metal ions. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2013**, 76, 125-132
- 1 Hydrogen bond and nucleophilicity motifs in the design of molecular probes for CN⁻ and F⁻ ions. *Monatshefte für Chemie*, **2021**, 152, 1401-1435 1.4