

Amit Kumar

List of Publications by Year in descending order

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20
papers

574
citations

758635

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h-index

752256

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20
times ranked

1080
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafine bimetallic Pt–Ni nanoparticles immobilized on 3-dimensional N-doped graphene networks: a highly efficient catalyst for dehydrogenation of hydrous hydrazine. <i>Journal of Materials Chemistry A</i> , 2019, 7, 112-115.	5.2	50
2	Aminophenyl-substituted cobalt(III) corrole: a bifunctional electrocatalyst for the oxygen and hydrogen evolution reactions. <i>Dalton Transactions</i> , 2019, 48, 11345-11351.	1.6	28
3	Two-Dimensional Layered Materials as Catalyst Supports. <i>ChemNanoMat</i> , 2018, 4, 28-40.	1.5	61
4	Strong luminescence behavior of mono- and dimeric imidazoquinazolines: Swift OLED degradation under electrical current. <i>Journal of Luminescence</i> , 2017, 181, 252-260.	1.5	5
5	N,N-Diethylamine appended binuclear Zn(II) complexes: highly selective and sensitive fluorescent chemosensors for picric acid. <i>Dalton Transactions</i> , 2016, 45, 8475-8484.	1.6	25
6	Fine-Tuning of Saponification-Triggered Gelation by Strategic Modification of Peripheral Substituents: Gelation Regulators. <i>Chemistry - A European Journal</i> , 2016, 22, 13799-13804.	1.7	3
7	Heteroleptic arene Ru(II) dipyrinato complexes: DNA, protein binding and anti-cancer activity against the ACHN cancer cell line. <i>Dalton Transactions</i> , 2016, 45, 7163-7177.	1.6	30
8	Cationic Ru(II), Rh(III) and Ir(III) complexes containing cyclic -perimeter and 2-aminophenyl benzimidazole ligands: Synthesis, molecular structure, DNA and protein binding, cytotoxicity and anticancer activity. <i>Journal of Organometallic Chemistry</i> , 2016, 801, 68-79.	0.8	60
9	Detection of copper(II) and aluminium(III) by a new bis-benzimidazole Schiff base in aqueous media via distinct routes. <i>RSC Advances</i> , 2015, 5, 88612-88624.	1.7	12
10	Self-assembled copper(II) metallacycles derived from asymmetric Schiff base ligands: efficient hosts for ADP/ATP in phosphate buffer. <i>Dalton Transactions</i> , 2015, 44, 17152-17165.	1.6	15
11	Pyridylphenyl appended imidazoquinazoline based ratiometric fluorescence return on chemosensor for Hg ²⁺ and Al ³⁺ in aqueous media. <i>RSC Advances</i> , 2014, 4, 55967-55970.	1.7	30
12	A saponification-triggered gelation of ester-based Zn(II) complex through conformational transformations. <i>Chemical Communications</i> , 2014, 50, 10086.	2.2	15
13	Novel tetranuclear copper 2 + 4 cubanes resulting from unprecedented C–O bond formation cum dearomatization. <i>Dalton Transactions</i> , 2014, 43, 13169.	1.6	9
14	Structural and mechanistic insights into an Fe ³⁺ -triggered quinazoline based molecular rotor. <i>Chemical Communications</i> , 2014, 50, 8032.	2.2	9
15	A Schiff Base and Its Copper(II) Complex as a Highly Selective Chemodosimeter for Mercury(II) Involving Preferential Hydrolysis of Aldimine over an Ester Group. <i>Inorganic Chemistry</i> , 2014, 53, 4944-4955.	1.9	35
16	Swift photoswitching in a binuclear Zn(II) metallacycle relative to a salen-type ligand. <i>Dalton Transactions</i> , 2014, 43, 6365.	1.6	21
17	Structural diversity in heteroleptic dipyrinato copper(II) complexes. <i>Inorganica Chimica Acta</i> , 2014, 409, 518-527.	1.2	6
18	Fluorescent azophenol-quinazoline dyad as multichannel reversible pH indicator in aqueous media: an innovative concept on diazo based dyads. <i>Tetrahedron Letters</i> , 2013, 54, 6164-6167.	0.7	8

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19	DNA/Protein Binding, Molecular Docking, and in Vitro Anticancer Activity of Some Thioether-Dipyrrinato Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 13984-13996.	1.9	142
20	Synthesis, characterization and photochemical properties of some ruthenium nitrosyl complexes. <i>Polyhedron</i> , 2013, 52, 837-843.	1.0	10