

Amit Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

574
citations

759233

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h-index

752698

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20
docs citations

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. | 10.3 | 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. | 3.3 | 28 |
| 3 | Two-Dimensional Layered Materials as Catalyst Supports. <i>ChemNanoMat</i> , 2018, 4, 28-40. | 2.8 | 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. | 3.1 | 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. | 3.3 | 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. | 3.3 | 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. | 3.3 | 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. | 1.8 | 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. | 3.6 | 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. | 3.3 | 15 |
| 11 | Pyridylphenyl appended imidazoquinazoline based ratiometric fluorescence -turn on- chemosensor for Hg ²⁺ and Al ³⁺ in aqueous media. <i>RSC Advances</i> , 2014, 4, 55967-55970. | 3.6 | 30 |
| 12 | A saponification-triggered gelation of ester-based Zn(II) complex through conformational transformations. <i>Chemical Communications</i> , 2014, 50, 10086. | 4.1 | 15 |
| 13 | Novel tetranuclear copper [2 + 4] cubanes resulting from unprecedented C–O bond formation cum dearomatization. <i>Dalton Transactions</i> , 2014, 43, 13169. | 3.3 | 9 |
| 14 | Structural and mechanistic insights into an Fe ³⁺ -triggered quinazoline based molecular rotor. <i>Chemical Communications</i> , 2014, 50, 8032. | 4.1 | 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. | 4.0 | 35 |
| 16 | Swift photoswitching in a binuclear Zn(II) metallacycle relative to a salen-type ligand. <i>Dalton Transactions</i> , 2014, 43, 6365. | 3.3 | 21 |
| 17 | Structural diversity in heteroleptic dipyrinato copper(II) complexes. <i>Inorganica Chimica Acta</i> , 2014, 409, 518-527. | 2.4 | 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. | 1.4 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | DNA/Protein Binding, Molecular Docking, and in Vitro Anticancer Activity of Some Thioether-Dipyrrinato Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 13984-13996. | 4.0 | 142 |
| 20 | Synthesis, characterization and photochemical properties of some ruthenium nitrosyl complexes. <i>Polyhedron</i> , 2013, 52, 837-843. | 2.2 | 10 |