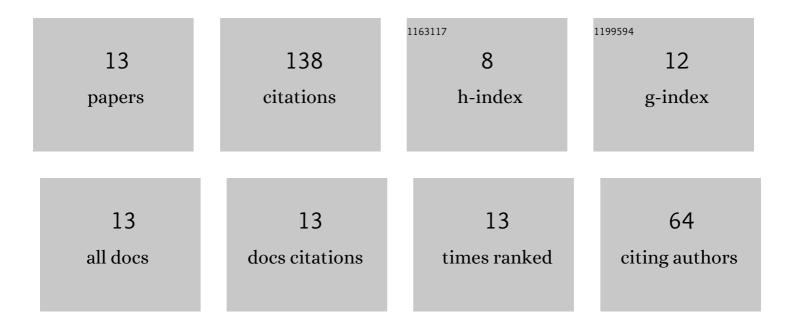
Milan Krishna Barman

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Combined cation-exchange and solid phase extraction for the selective separation and preconcentration of zinc, copper, cadmium, mercury and cobalt among others using azo-dye functionalized resin. Journal of Chromatography A, 2016, 1440, 1-14. | 3.7 | 24 |
| 2 | Solid phase extraction, separation and preconcentration of rare elements thorium(IV), uranium(VI), zirconium(IV), cerium(IV) and chromium(III) amid several other foreign ions with eriochrome black T anchored to 3-D networking silica gel. Journal of Chromatography A, 2016, 1451, 1-14. | 3.7 | 22 |
| 3 | Characterization and Density Functional Theory Optimization of a Simultaneous Binder (FSC-XO) of Two Different Species Exploiting HOMO–LUMO Levels: Photoelectronic and Analytical Applications. Journal of Chemical & Engineering Data, 2015, 60, 2197-2208. | 1.9 | 15 |
| 4 | Solid-phase extraction, separation and preconcentration of titanium(<scp>iv</scp>) with SSC-V10 from some other toxic cations: a molecular interpretation supported by DFT. RSC Advances, 2014, 4, 33923-33934. | 3.6 | 13 |
| 5 | n-Capric acid-anchored silanized silica gel: its application to sample clean-up of Th(<scp>iv</scp>) sorbed as a dinuclear species in quantified H-bonded dimeric metal-trapping cores. New Journal of Chemistry, 2017, 41, 5542-5554. | 2.8 | 13 |
| 6 | EBT anchored SiO ₂ 3-D microarray: a simultaneous entrapper of two different metal centers at high and low oxidation states using its highest occupied and lowest unoccupied molecular orbital, respectively. RSC Advances, 2015, 5, 55686-55703. | 3.6 | 11 |
| 7 | Extraction Chromatographic Method of Preconcentration, Estimation and Concomitant Separation of Vanadium (IV) with Silica Gel-Versatic 10 Composite. Journal of Chromatographic Science, 2014, 52, 1135-1144. | 1.4 | 9 |
| 8 | Facile Synthesis of a Luminescent Material, PAN@{SiO2}n, Having a Simultaneous Binding Capacity of High and Low Oxidation States: HOMO and LUMO, Quantum-mechanical Descriptor of Break-through Capacity. Analytical Sciences, 2016, 32, 989-998. | 1.6 | 8 |
| 9 | Detection and selective sample clean-up of beryllium(<scp>ii</scp>) through {extractor-HOMO}(:){Be ₃ O(OH) ₂ } ²⁺ â€~ion pair complexation' amidst aluminum(<scp>iii</scp>) and uranium(<scp>vi</scp>) by employing a fluorescent resin: the resin's HOMO amount is a quantitative descriptor of BTC. New Journal of Chemistry, 2018, 42, | 2.8 | 7 |
| 10 | Outcome of the second s | 3.6 | 6 |
| 11 | In vivo detection of fluoride at trace levels and its removal from raw water at neutral pH utilizing a cyanobacterium pigment as a luminescent probe. RSC Advances, 2016, 6, 4410-4421. | 3.6 | 4 |
| 12 | 8-Hydroxyquinoline Anchoring 3-D Networking Silica Gel Utilizing Its HOMO as a Metal Trapping Center for Selective Sample Cleanup of Cu(II), Cr(III), and Co(II) and Chemical Speciation of Sorbed Species. Journal of Chemical & Engineering Data, 2019, 64, 5356-5372. | 1.9 | 4 |
| 13 | Detection of Hg(II) amidst several heavy and toxic metal ions after their selective separation by chromatography: rationalization of separation factors in terms of Density Functional (hardness) Index. Desalination and Water Treatment, 2015, 53, 398-412. | 1.0 | 2 |