Nisar Ahmed

List of Publications by Year
in descending order

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49 papers	1,355 citations	304368 22 h-index	360668 35 g-index
64 all docs	64 docs citations	64 times ranked	1530 citing authors

#	Article	IF	Citations
1	Selective Fluorescent Detection of RNA in Living Cells by Using Imidazolium-Based Cyclophane. Journal of the American Chemical Society, 2013, 135, 90-93.	6.6	95
2	Electrifying green synthesis: recent advances in electrochemical annulation reactions. Green Chemistry, 2020, 22, 4849-4870.	4.6	89
3	Green Chemistry: Electrochemical Organic Transformations via Paired Electrolysis. ACS Sustainable Chemistry and Engineering, 2021, 9, 6148-6169.	3.2	80
4	Fluorescent Imidazolium-Based Cyclophane for Detection of Guanosine-5â€²-triphosphate and I^{â€“} in Aqueous Solution of Physiological pH. Organic Letters, 2011, 13, 5476-5479.	2.4	74
5	Modification strategies for improving the solubility/dispersion of carbon nanotubes. Journal of Molecular Liquids, 2020, 297, 111919.	2.3	68
6	A highly selective fluorescent chemosensor for guanosine-5â€²-triphosphate via excimer formation in aqueous solution of physiological pH. Chemical Communications, 2012, 48, 2662.	2.2	67
7	A Green Approach: Vicinal Oxidative Electrochemical Alkene Difunctionalization. ChemElectroChem, 2019, 6, 1300-1315.	1.7	61
8	Recent Advances in Electrochemical Chalcogen (S/Se)â€Functionalization of Organic Molecules. ChemElectroChem, 2019, 6, 5928-5940.	1.7	55
9	Precise Tuning of Cationic Cyclophanes toward Highly Selective Fluorogenic Recognition of Specific Biophosphate Anions. Organic Letters, 2014, 16, 2150-2153.	2.4	49
10	Organic electrosynthesis: electrochemical alkyne functionalization. Catalysis Science and Technology, 2019, 9, 5868-5881.	2.1	49
11	Phosphate esters and anhydrides â€“ recent strategies targeting nature's favoured modifications. Organic and Biomolecular Chemistry, 2014, 12, 3526-3530.	1.5	46
12	Turn-on and Turn-off Fluorescent Probes for Carbon Monoxide Detection and Blood Carboxyhemoglobin Determination. ACS Sensors, 2018, 3, 1102-1108.	4.0	44
13	Selective detection of guanosine-5â€²-triphosphate and iodide by fluorescent benzimidazolium-based cyclophanes. Organic and Biomolecular Chemistry, 2013, 11, 6407.	1.5	39
14	cycloâ€Bis(ureaâ€3,6â€dichlorocarbazole) as a Chromogenic and Fluorogenic Receptor for Anions and a Selective Sensor of Zinc and Copper Cations. Chemistry - A European Journal, 2011, 17, 8542-8548.	1.7	36
15	Electrochemical Phosphorylation of Organic Molecules. Chemical Record, 2020, 20, 1530-1552.	2.9	35
16	Memory of Chirality in Flow Electrochemistry: Fast Optimisation with DoE and Online 2Dâ€HPLC. Chemistry - A European Journal, 2019, 25, 16230-16235.	1.7	34
17	Efficient Electrosynthesis of Thiazolidinâ€2â€imines via Oxysulfurization of Thioureaâ€Tethered Terminal Alkenes Using the Flow Microreactor. European Journal of Organic Chemistry, 2019, 2019, 1371-1376.	1.2	32
18	Interfacial Photoelectrochemical Catalysis: Solarâ€Induced Green Synthesis of Organic Molecules. ChemSusChem, 2020, 13, 1967-1973.	3.6	32

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19	Câ€“H Functionalization via Electrophotocatalysis and Photoelectrochemistry: Complementary Synthetic Approach. ACS Sustainable Chemistry and Engineering, 2021, 9, 4324-4340.	3.2	29
20	An Imidazoliumâ€Based Fluorescent Cyclophane for the Selective Recognition of Iodide. Chemistry - an Asian Journal, 2012, 7, 658-663.	1.7	28
21	Synthesis, design and sensing applications of nanostructured ceria-based materials. Analyst, The, 2018, 143, 5610-5628.	1.7	27
22	Advances in electro- and sono-microreactors for chemical synthesis. RSC Advances, 2018, 8, 22233-22249.	1.7	27
23	Digitising chemical synthesis in automated and robotic flow. Chemical Science, 2020, 11, 11973-11988.	3.7	26
24	Fluorogenic sensing of CH3CO2â^' and H2PO4â^' by ditopic receptor through conformational change. Organic and Biomolecular Chemistry, 2012, 10, 2094.	1.5	21
25	Solution-processable conductive micro-hydrogels of nanoparticle/graphene platelets produced by reversible self-assembly and aqueous exfoliation. Journal of Materials Chemistry A, 2013, 1, 12900.	5.2	18
26	Peptide Bond Formations through Flow Chemistry. Chemical Biology and Drug Design, 2018, 91, 647-650.	1.5	16
27	Facile Electrochemical Intramolecular Amination of Ureaâ€Tethered Terminal Alkenes for the Synthesis of Cyclic Ureas. ChemistryOpen, 2018, 7, 576-582.	0.9	16
28	Electrochemical Sensing of Ascorbic Acid, Hydrogen Peroxide and Glucose by Bimetallic (Fe, Ni)â^'CNTs Composite Modified Electrode. Electroanalysis, 2019, 31, 851-857.	1.5	16
29	Organic synthesis via Kolbe and related non-Kolbe electrolysis: an enabling electro-strategy. Reaction Chemistry and Engineering, 2021, 6, 1342-1366.	1.9	13
30	Flow Electrochemical Cyclizations via Amidyl Radicals: Easy Access to Cyclic Ureas. SynOpen, 2019, 03, 46-48.	0.8	12
31	Câ^'H Bond Functionalization under Electrochemical Flow Conditions. Chemical Record, 2022, 22, e202100338.	2.9	12
32	Facile Synthesis of a Selective Biomolecule Chemosensor and Fabrication of Its Highly Fluorescent Graphene Complex. Journal of Physical Chemistry B, 2017, 121, 5007-5016.	1.2	11
33	Caragin, a new isoflavone from Caragana conferta. Journal of Asian Natural Products Research, 2008, 10, 823-825.	0.7	10
34	A new selective â€˜turn-onâ€™ small fluorescent cationic probe for recognition of RNA in cells. Supramolecular Chemistry, 2015, 27, 478-483.	1.5	9
35	Desymmetrization of myo-inositol derivatives by lanthanide catalyzed phosphitylation with C2-symmetric phosphites. Bioorganic and Medicinal Chemistry, 2015, 23, 2854-2861.	1.4	9
36	Sonoelectrochemistry: Ultrasound-assisted Organic Electrosynthesis. ACS Sustainable Chemistry and Engineering, 2021, 9, 9590-9603.	3.2	9

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37	Renewable Electricity Enables Green Routes to Fine Chemicals and Pharmaceuticals. Chemical Record, 2022, 22, e202100296.	2.9	9
38	Memory of Chirality as a Prominent Pathway for the Synthesis of Natural Products through Chiral Intermediates. ChemistryOpen, 2018, 7, 484-487.	0.9	8
39	Halides with Fifteen Aliphatic Câ€“HÂ·Â·Â·Anion Interaction Sites. Scientific Reports, 2016, 6, 30123.	1.6	7
40	Charged probes: turn-on selective fluorescence for RNA. Organic and Biomolecular Chemistry, 2018, 16, 164-168.	1.5	7
41	Memory of chirality in a room temperature flow electrochemical reactor. Scientific Reports, 2020, 10, 16627.	1.6	7
42	A simple pyrene-based highly sensitive turn-on fluorescent chemodosimeter for Hg2+. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2013, 77, 75-81.	0.9	6
43	Radical Diazidation of Alkenes: Cu/Fe/Mn Catalysis and Electrochemical Support. ChemElectroChem, 2018, 5, 1245-1248.	1.7	6
44	Diabetes Treatment: Selective Synthetic Receptor for Glucose. ChemistryOpen, 2019, 8, 84-86.	0.9	5
45	A Green Approach: Vicinal Oxidative Electrochemical Alkene Difunctionalization. ChemElectroChem, 2019, 6, 1254-1254.	1.7	2
46	Chemical Glycosylations for the Synthesis of Building Units of Postâ€Translational Modifications. Helvetica Chimica Acta, 2018, 101, e1700226.	1.0	1
47	Easy Access to Crystalline Indolines via Hydrogen Bond Transfer. Journal of Heterocyclic Chemistry, 2019, 56, 1388-1392.	1.4	1
48	C-H Activation/Functionalization via Metalla-Electrocatalysis. , 0, , .		1
49	Meet Our Associate Editorial Board Member. Current Organic Chemistry, 2019, 23, 975-975.	0.9	0