

# Jitender M Khurana

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	An expedient four-component domino protocol for the synthesis of novel benzo[a]phenazine annulated heterocycles and their photophysical studies. <i>Green Chemistry</i> , 2012, 14, 2321.	9.0	96
2	Efficient and green synthesis of 4H-pyrans and 4H-pyrano[2,3-c] pyrazoles catalyzed by task-specific ionic liquid [bmim]OH under solvent-free conditions. <i>Green Chemistry Letters and Reviews</i> , 2012, 5, 633-638.	4.7	89
3	Ultrasound promoted one pot synthesis of novel fluorescent triazolyl spirocyclic oxindoles using DBU based task specific ionic liquids and their antimicrobial activity. <i>European Journal of Medicinal Chemistry</i> , 2014, 77, 145-154.	5.5	84
4	Rapid Synthesis of Polyfunctionalized Pyrano[2,3-c]pyrazoles via Multicomponent Condensation in Room-Temperature Ionic Liquids. <i>Synthetic Communications</i> , 2011, 41, 405-410.	2.1	78
5	Ionic liquid: an efficient and recyclable medium for the synthesis of octahydroquinazolinone and biscoumarin derivatives. <i>Monatshefte für Chemie</i> , 2010, 141, 561-564.	1.8	77
6	RAPID OXIDATION OF SULFIDES AND SULFOXIDES WITH SODIUM HYPOCHLORITE. <i>Organic Preparations and Procedures International</i> , 1996, 28, 234-237.	1.3	66
7	SYNTHETICALLY USEFUL REACTIONS WITH NICKEL BORIDE. A REVIEW. <i>Organic Preparations and Procedures International</i> , 1997, 29, 1-32.	1.3	66
8	Nickel boride mediated reductive desulfurization of 2-thioxo-4(3H)-quinazolinones: A new synthesis of quinazolin-4(3H)-ones and 2,3-dihydro-4(1H)-quinazolinones. <i>Journal of Heterocyclic Chemistry</i> , 2003, 40, 677-679.	2.6	66
9	Removal of Dyes Using Graphene-Based Composites: a Review. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	62
10	One-Pot Synthesis of Biologically Important Spiro-2-amino-4H-pyrans, Spiroacenaphthylenes, and Spirooxindoles Using DBU as a Green and Recyclable Catalyst in Aqueous Medium. <i>Synthetic Communications</i> , 2013, 43, 3239-3246.	2.1	60
11	RAPID REDUCTION OF NITRILES TO PRIMARY AMINES WITH NICKEL BORIDE AT AMBIENT TEMPERATURE[1]. <i>Synthetic Communications</i> , 2002, 32, 1265-1269.	2.1	59
12	Nickel nanoparticles: A highly efficient catalyst for one pot synthesis of tetraketones and biscoumarins. <i>Journal of Chemical Sciences</i> , 2012, 124, 907-912.	1.5	58
13	Nickel Nanoparticles Catalyzed Knoevenagel Condensation of Aromatic Aldehydes with Barbituric Acids and 2-Thiobarbituric Acids. <i>Catalysis Letters</i> , 2010, 138, 104-110.	2.6	54
14	Nickel Nanoparticles as Semiheterogeneous Catalyst for One-Pot, Three-Component Synthesis of 2-Amino-4H-pyrans and Pyran Annulated Heterocyclic Moieties. <i>Synthetic Communications</i> , 2013, 43, 2294-2304.	2.1	49
15	Synthesis of novel 12-aryl-8,9,10,12-tetrahydrobenzo[a]xanthene-11-thiones and evaluation of their biocidal effects. <i>European Journal of Medicinal Chemistry</i> , 2012, 58, 470-477.	5.5	43
16	Synthesis of biologically as well as industrially important 1,4,5-trisubstituted-1,2,3-triazoles using a highly efficient, green and recyclable DBU-H <sub>2</sub> O catalytic system. <i>RSC Advances</i> , 2013, 3, 22360.	3.6	38
17	Facile Hydrolysis of Esters with KOH-Methanol at Ambient Temperature. <i>Monatshefte für Chemie</i> , 2004, 135, 83-87.	1.8	37
18	Synthesis and in vitro evaluation of antioxidant activity of diverse naphthopyranopyrimidines, diazaanthra[2,3-d][1,3]dioxole-7,9-dione and tetrahydrobenzo[a]xanthen-11-ones. <i>RSC Advances</i> , 2013, 3, 1844-1854.	3.6	35

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19	Synthetic routes for phenazines: an overview. <i>Research on Chemical Intermediates</i> , 2018, 44, 1045-1083.	2.7	34
20	Desulfurization of thioureas, benzimidazoline-2-thiones and 1,3-dihydro-1,3-diaryl-2-thioxopyrimidine-4,6(2H,5H)-diones with nickel boride at ambient temperature. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2002, , 2520-2524.	1.3	33
21	Efficient one-pot syntheses of dibenzo[ <i>a,h</i> ]xanthene-diones and evaluation of their antioxidant activity. <i>Canadian Journal of Chemistry</i> , 2012, 90, 739-746.	1.1	32
22	Syntheses, biological evaluation and photophysical studies of novel 1,2,3-triazole linked azo dyes. <i>RSC Advances</i> , 2014, 4, 5915.	3.6	31
23	An efficient approach for the synthesis of 5-hydroxy-chromeno[2,3- <i>b</i> ]pyridines under catalyst and solvent free conditions. <i>Green Chemistry</i> , 2017, 19, 4153-4156.	9.0	28
24	An efficient and confluent approach for the synthesis of novel 3,4-dihydro-2H-naphtho[2,3- <i>e</i> ][1,3]oxazine-5,10-dione derivatives by a three component reaction in ionic liquid. <i>RSC Advances</i> , 2015, 5, 46448-46454.	3.6	27
25	Task-specific ionic liquid catalyzed synthesis of novel naphthoquinone-urazole hybrids and evaluation of their antioxidant and in vitro anticancer activity. <i>RSC Advances</i> , 2014, 4, 34594.	3.6	26
26	Sonochemical Esterification of Carboxylic Acids in Presence of Sulphuric Acid. <i>Synthetic Communications</i> , 1990, 20, 2267-2271.	2.1	25
27	Nickel Boride-Mediated Cleavage of 1,3-Dithiolanes: A Convenient Approach to Reductive Desulfurization. <i>Synthetic Communications</i> , 2010, 40, 2908-2913.	2.1	24
28	A facile and green approach for the synthesis of spiro[naphthalene-2,5-pyrimidine]-4-carbonitrile via a one-pot three-component condensation reaction using DBU as a catalyst. <i>RSC Advances</i> , 2016, 6, 1307-1312.	3.6	24
29	A highly selective pH switchable colorimetric fluorescent rhodamine functionalized azo-phenol derivative for thorium recognition up to nano molar level in semi-aqueous media: Implication towards multiple logic gates. <i>Journal of Hazardous Materials</i> , 2018, 360, 51-61.	12.4	24
30	Rapid Oxidation of Selenides, Selenoxides, Tellurides, and Telluroxides with Aqueous Sodium Hypochlorite. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2003, 178, 1369-1375.	1.6	23
31	1,8-Diazabicyclo[5.4.0]undec-7-ene: A Highly Efficient Catalyst for One-Pot Synthesis of Substituted Tetrahydrochromenes, Tetrahydro[ <i>b</i> ]pyrans, Pyrano[ <i>d</i> ]pyrimidines, and 4-Pyrans in Aqueous Medium. <i>Journal of Heterocyclic Chemistry</i> , 2014, 51, 618-624.	2.6	23
32	An ampyrone based azo dye as pH-responsive and chemo-reversible colorimetric fluorescent probe for Al <sup>3+</sup> in semi-aqueous medium: implication towards logic gate analysis. <i>New Journal of Chemistry</i> , 2018, 42, 2224-2231.	2.8	23
33	Efficient and Green Approaches for the Synthesis of 4-H-Benzo[ <i>g</i> ]chromenes in Water, Under Neat Conditions, and Using Task-Specific Ionic Liquid. <i>Synthetic Communications</i> , 2012, 42, 3211-3219.	2.1	22
34	A facile eco-friendly approach for the one-pot synthesis of 3,4-dihydro-2H-naphtho[2,3- <i>e</i> ][1,3]oxazine-5,10-diones using glycerol as a green media. <i>Environmental Chemistry Letters</i> , 2016, 14, 559-564.	16.2	22
35	Green Approaches for the Synthesis of 12-Aryl-8,9,10,12-tetrahydrobenzo[ <i>a</i> ]xanthen-11-ones in Aqueous Media and Under Microwave Irradiation in Solventless Conditions. <i>Synthetic Communications</i> , 2012, 42, 1796-1803.	2.1	21
36	An efficient green approach for the synthesis of novel triazolyl spirocyclic oxindole derivatives via one-pot five component protocol using DBU as catalyst in PEG-400. <i>Tetrahedron Letters</i> , 2016, 57, 3081-3085.	1.4	21

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37	Removal of Trinitrotoluene with Nano Zerovalent Iron Impregnated Graphene Oxide. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	2.4	21
38	An efficient, green synthesis of novel regioselective and stereoselective indan-1,3-dione grafted spirooxindolopyrrolizidine linked 1,2,3-triazoles via a one-pot five-component condensation using PEG-400. <i>RSC Advances</i> , 2015, 5, 39686-39691.	3.6	20
39	Efficient, green and regioselective synthesis of 1,4,5-trisubstituted-1,2,3-triazoles in ionic liquid [bmim]BF <sub>4</sub> and in task-specific basic ionic liquid [bmim]OH. <i>Journal of the Iranian Chemical Society</i> , 2013, 10, 883-888.	2.2	19
40	Multicomponent Domino Process for the Synthesis of Some Novel Benzo[ <i>a</i> ]chromenophenazine Fused Ring Systems Using H <sub>2</sub> SO <sub>4</sub> , Phosphotungstic Acid, and [NMP]H <sub>2</sub> PO <sub>4</sub> . <i>Synthetic Communications</i> , 2015, 45, 1426-1432.	2.1	19
41	Transition Metal-Free Sulfonylation of C-H Bonds for S Bond Formation in Recent Years: Mechanistic Approach and Promising Future. <i>ChemistrySelect</i> , 2021, 6, 13077-13208.	1.5	18
42	RAPID REDUCTION OF CARBONYLS WITH NICKEL BORIDE AT AMBIENT TEMPERATURE[1]. <i>Synthetic Communications</i> , 2001, 31, 3485-3489.	2.1	17
43	Efficient and Green Syntheses of 12-Aryl-2,3,4,12-tetrahydrobenzo[ <i>a</i> ]xanthene-1,6,11-triones in Water and Task-Specific Ionic Liquid. <i>Synthetic Communications</i> , 2013, 43, 2147-2154.	2.1	17
44	DBU mediated confluent approach for the one pot synthesis of novel 5-hydroxy pyrazolo[1,2- <i>a</i> ][1,2,4]triazoles and their dehydration to novel pyrazolo[1,2- <i>a</i> ][1,2,4]triazole derivatives. <i>Tetrahedron</i> , 2016, 72, 3986-3993.	1.9	17
45	One-pot four component domino strategy for the synthesis of novel spirooxindole pyrrolizidine linked 1,2,3-triazoles via stereo- and regioselective [3 + 2] cycloaddition reaction in acidic medium. <i>RSC Advances</i> , 2016, 6, 9297-9303.	3.6	17
46	Catalyst free ethylene glycol promoted synthesis of spiro[indene-2,2'-naphthalene]-4'-carbonitriles and spiro[naphthalene-2,5'-pyrimidine]-4-carbonitriles via one-pot three-component reaction. <i>Tetrahedron Letters</i> , 2016, 57, 5852-5855.	1.4	16
47	MOLYBDENUM IN ORGANIC SYNTHESIS. A REVIEW. <i>Organic Preparations and Procedures International</i> , 2004, 36, 201-276.	1.3	15
48	An efficient and convenient approach for the synthesis of novel 2-hydroxy-1,2-aryl-8,9,10,12-tetrahydrobenzo[ <i>a</i> ]xanthene-1,11-diones using <i>p</i> -toluenesulfonic acid in ethanol and ionic liquid. <i>Journal of Heterocyclic Chemistry</i> , 2011, 48, 1388-1392.	2.0	15
49	Acid Catalyzed Efficient Syntheses of Aryl-5-Hydroxy-1,2-aryl-8,9,10,12-tetrahydrobenzo[ <i>a</i> ], <i>i</i> ]xanthene-1,11-diones and 3,3-(Arylmethylene)bis(2-hydroxynaphthalene-1,4-diones) and <i>In Vitro</i> Evaluation of their Antioxidant Activity. <i>Journal of Heterocyclic Chemistry</i> , 2014, 51, 1747-1751.	2.6	15
50	Synthesis, photophysical studies, solvatochromic analysis and TDDFT calculations of diazaspiron compounds. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 143, 288-297.	3.9	15
51	Ni Nanoparticles: Mild and Efficient Catalyst for the Chemoselective Synthesis of 2-Arylbenzimidazoles, 2-Arylbenzothiazoles, and Azomethines. <i>Synthetic Communications</i> , 2012, 42, 2606-2616.	2.1	14
52	Acetic acid mediated regioselective synthesis of 2,4,5-trisubstituted thiazoles by a domino multicomponent reaction. <i>New Journal of Chemistry</i> , 2019, 43, 8644-8650.	2.8	14
53	Advances in the Synthesis of Xanthenes: An Overview. <i>Current Organic Synthesis</i> , 2018, 15, 341-369.	1.3	13
54	Chemoselective and Stereoselective Debromination of Vicinal-Dibromides with Sodium Dithionite. <i>Synthetic Communications</i> , 1996, 26, 3791-3798.	2.1	12

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55	Facile reductive coupling of benzylic halides with ferrous oxalate dihydrate. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 1737-1740.	2.8	12
56	An Efficient and Convenient Approach for the Synthesis of Novel Pyrazolo[1,2-a]triazole-triones and Evaluation of their Antimicrobial Activities. <i>Australian Journal of Chemistry</i> , 2014, 67, 867.	0.9	12
57	A novel method of reduction of $\alpha$ -C=N-group in hydrazones, phenylhydrazones, azines, and tosylhydrazones by Mg in methanol. <i>Monatshefte für Chemie</i> , 2015, 146, 187-190.	1.8	12
58	Aqueous sodium hypochlorite mediated chemoselective oxidation of chalcogenides to monoxides and dioxides by microwave exposure. <i>Canadian Journal of Chemistry</i> , 2010, 88, 906-909.	1.1	11
59	Efficient catalyst-free synthesis of diversified bis (spirooxindoles) via one-pot, three-component reaction. <i>Synthetic Communications</i> , 2016, 46, 1880-1886.	2.1	11
60	Synthesis of Novel 5-Substituted 6-Phenylpyrrolo[2,3-d]pyrimidine Derivatives via One-pot Three-component Reactions Under Catalyst-Free Condition. <i>ChemistrySelect</i> , 2017, 2, 7263-7266.	1.5	11
61	A novel synthesis of 2-substituted 2H-imidazo[1,5-b]isoquinoline-1,5-diones by in situ desulfurization. <i>Chemistry of Heterocyclic Compounds</i> , 2008, 44, 309-313.	1.2	10
62	An efficient catalyst free synthesis of nitrogen containing spiro heterocycles via [5 + 1] double Michael addition reaction. <i>RSC Advances</i> , 2014, 4, 13313.	3.6	10
63	A Green Approach for the Synthesis of Novel 7,11-Dihydro-6H-chromeno[3,4-e]isoxazolo[5,4-b]pyridin-6-one Derivatives Using Acidic Ionic Liquid [C4mim][HSO <sub>4</sub> ]. <i>Australian Journal of Chemistry</i> , 2016, 69, 1049.	0.9	10
64	N-Nitrosomelatonin, an efficient nitric oxide donor and transporter in Arabidopsis seedlings. <i>Nitric Oxide - Biology and Chemistry</i> , 2021, 113-114, 50-56.	2.7	10
65	Rapid Oxidation of 1,2-Diols, $\alpha$ -Hydroxyketones and Some Alcohols using N-Bromosuccinimide in Ionic Liquid. <i>Organic Preparations and Procedures International</i> , 2013, 45, 241-245.	1.3	9
66	An efficient synthesis of novel 3-hydroxy-12-arylbenzo[a]xanthen-11-ones and 5,12-diaryl-xantheno[2,1-a]xanthene-4,12-diones using pTSA in [bmim]BF <sub>4</sub> . <i>Canadian Journal of Chemistry</i> , 2013, 91, 698-703.	1.1	8
67	Chemoselective deprotection and deprotection with concomitant reduction of 1,3-dioxolanes, acetals and ketals using nickel boride. <i>RSC Advances</i> , 2015, 5, 12048-12051.	3.6	8
68	An efficient, catalyst free synthesis of 3-(2-benzothiazolyl)-2,3-dihydroquinazolin-4(1H)-ones in aqueous medium. <i>Green Chemistry Letters and Reviews</i> , 2011, 4, 321-325.	4.7	7
69	Nickel boride mediated cleavage of 1,3-oxathiolanes: a convenient approach to deprotection and reduction. <i>Monatshefte für Chemie</i> , 2016, 147, 1113-1116.	1.8	7
70	Green Synthesis of Novel Naphtho[1,2-e]/benzo[e][1,3]thiazine Derivatives via One-pot Three-component Reaction Using Tetra-n-Butyl Ammonium Bromide. <i>ChemistrySelect</i> , 2018, 3, 12560-12562.	1.5	7
71	An efficient catalyst-free approach for the synthesis of novel isoxazolo[5,4-b]pyridine derivatives via one-pot three-component reaction. <i>Monatshefte für Chemie</i> , 2018, 149, 1841-1848.	1.8	7
72	A Catalyst-Free Domino Protocol for the Chemoselective Synthesis of Multifunctionalised Pyrroles in Aqueous Media via Nitroketene-N,S-Acetal Chemistry. <i>ChemistrySelect</i> , 2018, 3, 6334-6337.	1.5	7

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73	A simple, mild and environmentally benign procedure for the cleavage of carbon–nitrogen double bonds using NaBrO <sub>3</sub> in the presence of [bmim]HSO <sub>4</sub> . RSC Advances, 2014, 4, 47677-47689.	3.6	6
74	One-pot four component condensation for the synthesis of novel dispirooxindole pyrrolidine linked 1,2,3-triazoles via stereo- and regioselective [3+2] cycloaddition reaction in PEG-400. Heteroatom Chemistry, 2016, 27, 396-403.	0.7	6
75	An efficient catalyst-free synthesis of novel chromeno[4,3-b]quinolones through Michael initiated ring closure (MIRC) reaction with in situ generated 3-(arylmethylene)chroman-2,4-diones. Journal of Chemical Sciences, 2017, 129, 1225-1231.	1.5	6
76	Catalyst-free one-pot regioselective synthesis of benzo[d]imidazo[2,1-b]thiazoles by heating or grinding. Journal of Heterocyclic Chemistry, 2019, 56, 3055-3064.	2.6	6
77	Zinc Chloride Mediated Nucleophilic Substitution: Amination and Thioetherification of Alcohols at Room Temperature. Organic Preparations and Procedures International, 2020, 52, 110-119.	1.3	6
78	Metal-free synthesis of 1,2,3-triazoles by azide-aldehyde cycloaddition under ultrasonic irradiation in TSIL [DBU-Bu]OH and in hydrated IL Bu <sub>4</sub> NOH under heating. Monatshefte für Chemie, 2016, 147, 1215-1219.	1.8	5
79	Catalyst-Free One-Pot Regioselective Synthesis of Spiropyrrolizines Using 1,3-Dipolar Cycloaddition Reaction. ChemistrySelect, 2019, 4, 7200-7203.	1.5	5
80	Lanthanum Triflate-Catalyzed Rapid Oxidation of Secondary Alcohols Using Hydrogen Peroxide Urea Adduct (UHP) in Ionic Liquid. Synthetic Communications, 2014, 44, 800-806.	2.1	4
81	NaBrO <sub>3</sub> /bmim[HSO <sub>4</sub> ]: a versatile system for the selective oxidation of 1,2-diols, $\alpha$ -hydroxyketones, and alcohols. Monatshefte für Chemie, 2017, 148, 381-386.	1.8	4
82	Synthesis of Novel Functionalized Triphenylphosphanylidene-spirobarbiturates through a Three-Component Reaction. ChemistrySelect, 2018, 3, 4110-4113.	1.5	4
83	PPh <sub>3</sub> Mediated Stereoselective Synthesis of 4-Fumarate Substituted 3-Acylcoumarins: A Cascade Reaction of 3-Acyl Coumarin with Alkyne Derivatives. ChemistrySelect, 2018, 3, 5905-5909.	1.5	4
84	A Catalyst Free One-Pot Synthesis of Coumarin Functionalized Bis-oxazines in Ethanol at Room Temperature. ChemistrySelect, 2019, 4, 11077-11080.	1.5	4
85	An efficient 1,3-allylic carbonyl transposition of chalcones. Monatshefte für Chemie, 2009, 140, 69-72.	1.8	3
86	Chemoselective N-benylation of 2-thiohydantoins and 2-thiobarbituric acids catalyzed by PEG-stabilized Ni nanoparticles and their anti-microbial activities. Medicinal Chemistry Research, 2014, 23, 4595-4606.	2.4	3
87	Nickel boride mediated chemoselective deprotection of 1,1-diacetates to aldehydes and deprotection with concomitant reduction to alcohols at ambient temperature. Synthetic Communications, 2018, 48, 97-103.	2.1	3
88	One-Pot Synthesis of Hydroxy Pyrazolo[1,2-a][1,2,4]triazoles and Their Dehydration Using Recyclable Ionic Liquids as Reaction Media. Journal of Heterocyclic Chemistry, 2018, 55, 83-90.	2.6	3
89	Development of a novel protocol for chemoselective deprotection of N/O-benzyloxycarbonyl (Cbz) at ambient temperature. Monatshefte für Chemie, 2018, 149, 2231-2235.	1.8	3
90	Comparative study for removal of nitro-heterocyclic explosives using magnetic graphene nanocomposites. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 671-679.	2.1	3

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91	Adsorptive removal of trinitrophenol using nano $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> /reduced graphene oxide. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 571-581.	2.1	3
92	Pinacol Formation and Reduction of Aromatic Carbonyls with Magnesium/Methanol at Ambient Temperature. Monatshefte für Chemie, 2003, -1, 1-1.	1.8	2
93	Microwave-Mediated Debromination of vicinal-Dibromides. Synthetic Communications, 2006, 36, 207-209.	2.1	2
94	5,5-diaryl and 5-alkyl-3-phenyl-4-imidazolidones: A novel synthesis. Journal of Heterocyclic Chemistry, 2009, 46, 1007-1010.	2.6	2
95	Synthesis and characterization of hybrid chloroquinoline-xanthene derivatives. Cogent Chemistry, 2015, 1, 1071227.	2.5	2
96	An efficient protocol for the synthesis of oxazine derivatives using a carbocatalyst in aqueous medium. Synthetic Communications, 2020, 50, 3592-3602.	2.1	2
97	Facile Deoxygenation of Telluroxides, Tellurones and Selenones with Nickel Boride at Ambient Temperature. Organic Preparations and Procedures International, 2012, 44, 96-101.	1.3	1
98	Nickel Boride Mediated Chemoselective Reduction of Aryldiazonium Tetrafluoroborates to Corresponding Aryl Hydrazines and Aryl Amines at Ambient Temperature.. ChemistrySelect, 2018, 3, 12600-12602.	1.5	0