

# Mona Hosseini-sarvari

## List of Publications by Year in descending order

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95  
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2,925  
citations

172457

29  
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197818

49  
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121  
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121  
docs citations

121  
times ranked

2924  
citing authors

#	ARTICLE	IF	CITATIONS
1	ZnO as a New Catalyst for N-Formylation of Amines under Solvent-Free Conditions. <i>Journal of Organic Chemistry</i> , 2006, 71, 6652-6654.	3.2	267
2	Reactions on a Solid Surface. A Simple, Economical and Efficient Friedel-Crafts Acylation Reaction over Zinc Oxide (ZnO) as a New Catalyst. <i>Journal of Organic Chemistry</i> , 2004, 69, 6953-6956.	3.2	205
3	Zinc oxide (ZnO) as a new, highly efficient, and reusable catalyst for acylation of alcohols, phenols and amines under solvent free conditions. <i>Tetrahedron</i> , 2005, 61, 10903-10907.	1.9	137
4	TiO <sub>2</sub> as a new and reusable catalyst for one-pot three-component syntheses of $\alpha$ -aminophosphonates in solvent-free conditions. <i>Tetrahedron</i> , 2008, 64, 5459-5466.	1.9	125
5	A direct synthesis of nitriles and amides from aldehydes using dry or wet alumina in solvent free conditions. <i>Tetrahedron</i> , 2002, 58, 10323-10328.	1.9	99
6	Nanosized zinc oxide as a catalyst for the rapid and green synthesis of $\beta$ -phosphono malonates. <i>Tetrahedron</i> , 2008, 64, 5519-5523.	1.9	92
7	Nano Sulfated Titania as Solid Acid Catalyst in Direct Synthesis of Fatty Acid Amides. <i>Journal of Organic Chemistry</i> , 2011, 76, 2853-2859.	3.2	86
8	ZnO/CH <sub>3</sub> COCl: A New and Highly Efficient Catalyst for Dehydration of Aldoximes into Nitriles Under Solvent-Free Condition. <i>Synthesis</i> , 2005, 2005, 787-790.	2.3	85
9	Nanocrystalline ZnO for Knoevenagel Condensation and Reduction of the Carbon-Carbon Double Bond in Conjugated Alkenes. <i>Helvetica Chimica Acta</i> , 2008, 91, 715-724.	1.6	78
10	Nano copper(II) oxide-zinc oxide catalyzed coupling of aldehydes or ketones, secondary amines, and terminal alkynes in solvent-free conditions. <i>New Journal of Chemistry</i> , 2014, 38, 624-635.	2.8	67
11	Catalyst-Free Organic Transformations under Visible-Light. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 4296-4323.	6.7	62
12	Al <sub>2</sub> O <sub>3</sub> /MeSO <sub>3</sub> H (AMA) as a new reagent with high selective ability for monoesterification of diols. <i>Tetrahedron</i> , 2003, 59, 3627-3633.	1.9	59
13	Palladium supported on zinc oxide nanoparticles: Synthesis, characterization, and application as heterogeneous catalyst for Mizoroki-Heck and Sonogashira reactions under ligand-free and air atmosphere conditions. <i>Applied Catalysis A: General</i> , 2014, 475, 477-486.	4.3	51
14	Copper-catalyzed one-pot synthesis of benzimidazole derivatives. <i>Canadian Journal of Chemistry</i> , 2008, 86, 1044-1051.	1.1	47
15	Enhancement of Suzuki-Miyaura coupling reaction by photocatalytic palladium nanoparticles anchored to TiO <sub>2</sub> under visible light irradiation. <i>Catalysis Communications</i> , 2018, 111, 10-15.	3.3	47
16	Synthesis of Bis(indolyl)methanes using a Catalytic Amount of ZnO under Solvent-Free Conditions. <i>Synthetic Communications</i> , 2008, 38, 832-840.	2.1	45
17	Preparation, characterization, and catalysis application of nano-rods zinc oxide in the synthesis of 3-indolyl-3-hydroxy oxindoles in water. <i>Applied Catalysis A: General</i> , 2012, 441-442, 65-71.	4.3	43
18	Cu <sub>2</sub> O/TiO <sub>2</sub> nanoparticles as visible light photocatalysts concerning C(sp <sup>2</sup> )-P bond formation. <i>Catalysis Science and Technology</i> , 2018, 8, 4044-4051.	4.1	41

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19	Solvent-Free Catalytic Friedel-Crafts Acylation of Aromatic Compounds with Carboxylic Acids by Using a Novel Heterogeneous Catalyst System: p-Toluenesulfonic Acid/Graphite. <i>Helvetica Chimica Acta</i> , 2005, 88, 2282-2287.	1.6	40
20	One-Pot, Three-Component Synthesis of 1-(2-Hydroxyethyl)-1,2,3-Triazole Derivatives by Copper-Catalyzed 1,3-Dipolar Cycloaddition of 2-Azido Alcohols and Terminal Alkynes under Mild Conditions in Water. <i>Helvetica Chimica Acta</i> , 2010, 93, 435-449.	1.6	39
21	Solvent-free and room temperature visible light-induced C-H activation: CdS as a highly efficient photo-induced reusable nano-catalyst for the C-H functionalization cyclization of <i>N</i> -amines and C=C double and triple bonds. <i>Green Chemistry</i> , 2018, 20, 5540-5549.	9.0	38
22	Visible light thiocyanation of <i>N</i> -bearing aromatic and heteroaromatic compounds using Ag/TiO <sub>2</sub> nanotube photocatalyst. <i>New Journal of Chemistry</i> , 2018, 42, 19237-19244.	2.8	37
23	Synthesis and Suzuki-Miyaura Cross-Coupling of Enantioenriched Secondary Potassium Trifluoroborateamides: Catalytic, Asymmetric Conjugate Addition of Bisboronic Acid and Tetrakis(dimethylamino)diboron to $\alpha,\beta$ -Unsaturated Carbonyl Compounds. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 3037-3057.	4.3	36
24	Solvent-free Knoevenagel Condensations over TiO <sub>2</sub> . <i>Chinese Journal of Chemistry</i> , 2007, 25, 1563-1567.	4.9	35
25	Highly active recyclable heterogeneous Pd/ZnO nanoparticle catalyst: sustainable developments for the C=O and C=N bond cross-coupling reactions of aryl halides under ligand-free conditions. <i>RSC Advances</i> , 2014, 4, 44105-44116.	3.6	33
26	An Efficient and Eco-Friendly Nanocrystalline Zinc Oxide Catalyst for One-Pot, Three Component Synthesis of New Ferrocenyl Aminophosphonic Esters Under Solvent-Free Condition. <i>Catalysis Letters</i> , 2011, 141, 347-355.	2.6	32
27	Visible Light Driven Photocatalytic Cross-Coupling Reactions on Nano Pd/ZnO Photocatalyst at Room Temperature. <i>ChemistrySelect</i> , 2018, 3, 1898-1907.	1.5	31
28	ARS-TiO <sub>2</sub> photocatalyzed direct functionalization of sp <sup>2</sup> C-H bonds toward thiocyanation and cyclization reactions under visible light. <i>Catalysis Science and Technology</i> , 2020, 10, 1401-1407.	4.1	31
29	A novel and active catalyst Ag/ZnO for oxidant-free dehydrogenation of alcohols. <i>Materials Research Bulletin</i> , 2015, 72, 98-105.	5.2	30
30	Nano-tube TiO <sub>2</sub> as a new catalyst for eco-friendly synthesis of imines in sunlight. <i>Chinese Chemical Letters</i> , 2011, 22, 547-550.	9.0	29
31	On/Off O <sub>2</sub> Switchable Photocatalytic Oxidative and Protodecarboxylation of Carboxylic Acids. <i>Journal of Organic Chemistry</i> , 2019, 84, 13503-13515.	3.2	29
32	Nano copper(i) oxide/zinc oxide catalyzed N-arylation of nitrogen-containing heterocycles with aryl halides and arylboronic acids in air. <i>RSC Advances</i> , 2014, 4, 7321.	3.6	28
33	Ethanol electrooxidation at carbon paste electrode modified with Pd-ZnO nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2016, 230, 87-93.	7.8	28
34	Esterification of free fatty acids (Biodiesel) using nano sulfated-titania as catalyst in solvent-free conditions. <i>Comptes Rendus Chimie</i> , 2013, 16, 229-238.	0.5	27
35	Alizarin red TiO <sub>2</sub> -catalyzed cascade C(sp <sup>3</sup> )-H to C(sp <sup>2</sup> )-H bond formation/cyclization reactions toward tetrahydroquinoline derivatives under visible light irradiation. <i>New Journal of Chemistry</i> , 2018, 42, 6880-6888.	2.8	27
36	Suzuki-Miyaura Cross-Coupling of Potassium Trifluoro(N-methylheteroaryl)borates with Aryl and Heteroaryl Halides. <i>Journal of Organic Chemistry</i> , 2013, 78, 6648-6656.	3.2	26

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37	Palladium Supported on Zinc Oxide Nanoparticles as Efficient Heterogeneous Catalyst for Suzuki-Miyaura and Hiyama Reactions under Normal Laboratory Conditions. <i>Helvetica Chimica Acta</i> , 2015, 98, 805-818.	1.6	24
38	A Facile Hydration of Nitriles into Amides by Al <sub>2</sub> O <sub>3</sub> /MeSO <sub>3</sub> H (AMA). <i>Synthetic Communications</i> , 2003, 33, 207-212.	2.1	23
39	Au@ZnO Core-Shell: Scalable Photocatalytic Trifluoromethylation Using CF <sub>3</sub> CO <sub>2</sub> Na as an Inexpensive Reagent under Visible Light Irradiation. <i>Organic Process Research and Development</i> , 2019, 23, 2345-2353.	2.7	23
40	Direct Acylation of Phenol and Naphthol Derivatives in a Mixture of Graphite and Methanesulfonic Acid. <i>Synthesis</i> , 2006, 2006, 2047-2052.	2.3	22
41	Photo-functionalization and Photo-oxidative Cleavage of the C=C Double Bond of Styrenes in the Presence of Nanosized Cadmium Sulfide (CdS) as a Highly Efficient Photo-induced Reusable Nanocatalyst. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 3834-3843.	2.4	22
42	Direct hydrogenation and one-pot reductive amidation of nitro compounds over Pd/ZnO nanoparticles as a recyclable and heterogeneous catalyst. <i>Applied Surface Science</i> , 2015, 324, 265-274.	6.1	21
43	Magnetically recoverable nano Pd/Fe <sub>3</sub> O <sub>4</sub> /ZnO catalyst: preparation, characterization, and application for the synthesis of 2-oxazolines and benzoxazoles. <i>Journal of Materials Science</i> , 2015, 50, 3065-3074.	3.7	20
44	Nanosized CdS as a Reusable Photocatalyst: The Study of Different Reaction Pathways between Tertiary Amines and Aryl Sulfonyl Chlorides through Visible-Light-Induced N-Dealkylation and C-H Activation Processes. <i>Journal of Organic Chemistry</i> , 2021, 86, 2117-2134.	3.2	20
45	Nano-sulfated titania (TiO <sub>2</sub> ) as a new solid acid catalyst for Friedel-Crafts acylation and Beckman rearrangement in solvent-free conditions. <i>Journal of Sulfur Chemistry</i> , 2011, 32, 463-473.	2.0	19
46	Preparation, characterization, and catalytic application of nano Ag/ZnO in the oxidation of benzylic C-H bonds in sustainable media. <i>RSC Advances</i> , 2015, 5, 9050-9056.	3.6	19
47	A novel method for the synthesis of N-sulfonyl aldimines using AlCl <sub>3</sub> under solvent-free conditions (SFC). <i>Arkivoc</i> , 2007, 2007, 255-264.	0.5	19
48	Alumina Sulfuric Acid Mediated Solvent-Free and One-Step Beckmann Rearrangement of Ketones and Aldehydes and a Useful Reagent for Synthesis of Keto- and Ald-Oximes. <i>Journal of Chemical Research</i> , 2006, 2006, 205-208.	1.3	18
49	Nano TiO <sub>2</sub> /SO <sub>4</sub> <sup>2-</sup> as a heterogeneous solid acid catalyst for the synthesis of 5-substituted-1H-tetrazoles. <i>Comptes Rendus Chimie</i> , 2014, 17, 1007-1012.	0.5	18
50	Visible-light assisted of nano Ni/g-C <sub>3</sub> N <sub>4</sub> with efficient photocatalytic activity and stability for selective aerobic C-H activation and epoxidation. <i>Journal of Organometallic Chemistry</i> , 2020, 928, 121549.	1.8	18
51	C-C bond formation via direct and three-component conjugate addition catalyzed by ZnO nano-rods for the synthesis of 2-oxindolin-3-yl-phosphonates under solvent-free conditions. <i>New Journal of Chemistry</i> , 2012, 36, 1014.	2.8	17
52	Visible-light-driven photochemical activity of ternary Ag/AgBr/TiO <sub>2</sub> nanotubes for oxidation C(sp <sup>3</sup> )-H and C(sp <sup>2</sup> )-H bonds. <i>New Journal of Chemistry</i> , 2020, 44, 16776-16785.	2.8	17
53	Black TiO <sub>2</sub> nanoparticles with efficient photocatalytic activity under visible light at low temperature: regioselective C-N bond cleavage toward the synthesis of thioureas, sulfonamides, and propargylamines. <i>Catalysis Science and Technology</i> , 2020, 10, 6825-6839.	4.1	17
54	Multi-component synthesis of 2-amino-4H-chromenes catalyzed by nano ZnO in water. <i>Collection of Czechoslovak Chemical Communications</i> , 2011, 76, 1285-1298.	1.0	16

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55	Nano-ZnO as heterogeneous catalyst for three-component one-pot synthesis of tetrahydrobenzo[b]pyrans in water. <i>Chemistry of Heterocyclic Compounds</i> , 2012, 48, 1307-1313.	1.2	16
56	Catalytic Organic Reactions on ZnO. <i>Current Organic Synthesis</i> , 2013, 10, 697-723.	1.3	16
57	Nano Sulfated Titania as a Heterogeneous Solid Acid Catalyst for the Synthesis of Pyrroles by Clauson-Kaas Condensation under Solvent-free Conditions. <i>Chemistry of Heterocyclic Compounds</i> , 2014, 49, 1732-1739.	1.2	14
58	Commercial ZrO <sub>2</sub> as a new, efficient, and reusable catalyst for the one-step synthesis of quinolines in solvent-free conditions. <i>Canadian Journal of Chemistry</i> , 2009, 87, 1122-1126.	1.1	13
59	Selective and CO-Retentive Addition Reactions of Acid Chlorides to Terminal Alkynes in Synthesis of $\beta$ -Chloro- $\alpha,\beta$ -unsaturated Ketones Using ZnO. <i>Bulletin of the Chemical Society of Japan</i> , 2011, 84, 778-782.	3.2	13
60	Regioselective Friedel-Crafts alkylation of indoles with epoxides using nano MgO. <i>Green Chemistry Letters and Reviews</i> , 2012, 5, 439-449.	4.7	13
61	Visible-light-mediated semi-heterogeneous black TiO <sub>2</sub> /nickel dual catalytic C(sp <sup>2</sup> ) $\rightarrow$ C(sp <sup>3</sup> ) bond formation toward aryl phosphonates. <i>Dalton Transactions</i> , 2020, 49, 17147-17151.	3.3	12
62	TiO <sub>2</sub> /Cu <sub>2</sub> O nanoparticle-catalyzed direct C(sp <sup>2</sup> ) $\rightarrow$ C(sp <sup>3</sup> ) bond formation via aerobic oxidative coupling in air and visible light. <i>Dalton Transactions</i> , 2020, 49, 3001-3006.	3.3	12
63	Solar and visible-light active nano Ni/g-C <sub>3</sub> N <sub>4</sub> photocatalyst for carbon monoxide (CO) and ligand-free carbonylation reactions. <i>Catalysis Science and Technology</i> , 2021, 11, 956-969.	4.1	12
64	Sulfamic acid catalyzed ring opening of epoxides with amines under solvent-free conditions. <i>Journal of the Iranian Chemical Society</i> , 2008, 5, 384-393.	2.2	11
65	Synthesis of $\beta$ -amino alcohols using MgO as a new catalyst under solvent-free conditions. <i>Canadian Journal of Chemistry</i> , 2008, 86, 65-71.	1.1	11
66	Synthesis of Aryl Thiocyanates using Al <sub>2</sub> O <sub>3</sub> /MeSO <sub>3</sub> H (AMA) as a Novel Heterogeneous System. <i>Journal of Chemical Research</i> , 2008, 2008, 318-321.	1.3	11
67	One-Pot, Three-Component Synthesis of Spirooxindoles Catalyzed by ZnO Nano-Rods in Solvent-Free Conditions. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2012, 15, 826-834.	1.1	11
68	Synthesis of N-formylated $\beta$ -lactams using nano-sulfated TiO <sub>2</sub> as catalyst under solvent-free conditions. <i>Comptes Rendus Chimie</i> , 2012, 15, 980-987.	0.5	11
69	Selective Visible-Light Photocatalytic Aerobic Oxidation of Alkenes to Epoxides with Pd/ZnO Nanoparticles. <i>ChemistrySelect</i> , 2020, 5, 8853-8857.	1.5	11
70	Dual organic dyes as a pseudo-redox mediation system to promotion of tandem oxidation/[3+2] cycloaddition reactions under visible light. <i>Tetrahedron</i> , 2021, 89, 132166.	1.9	11
71	The study of TiO <sub>2</sub> /Cu <sub>2</sub> O nanoparticles as an efficient nanophotocatalyst toward surface adsorption and photocatalytic degradation of methylene blue. <i>Applied Nanoscience (Switzerland)</i> , 2022, 12, 2195-2205.	3.1	11
72	A Novel Method for the Synthesis of N-Sulfonylaldimines by ZnO as a Recyclable Neutral Catalyst Under Solvent-Free Conditions. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2007, 182, 2125-2130.	1.6	10

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73	Photocatalytic synthesis of unsymmetrical thiourea derivatives via visible-light irradiation using nitrogen-doped ZnO nanorods. <i>New Journal of Chemistry</i> , 2020, 44, 14505-14512.	2.8	10
74	Palladium immobilized on Fe <sub>3</sub> O <sub>4</sub> /ZnO nanoparticles: a novel magnetically recyclable catalyst for Suzuki-Miyaura and heck reactions under ligand-free conditions. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 45-53.	2.2	9
75	Inhibitory effect of coumarin and its analogs on insulin fibrillation /cytotoxicity is depend on oligomerization states of the protein. <i>RSC Advances</i> , 2020, 10, 38260-38274.	3.6	9
76	Boron-doped TiO <sub>2</sub> (B-TiO <sub>2</sub> ): visible-light photocatalytic difunctionalization of alkenes and alkynes. <i>New Journal of Chemistry</i> , 2021, 45, 12464-12470.	2.8	9
77	Synthesis of 2-Amino-4H-Chromen-4-yl Phosphonats via C-P Bond Formation Catalyzed by Nano-Rods ZnO Under Solvent-Free Condition. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2014, 17, 47-52.	1.1	8
78	Chlorophyll-catalyzed tandem oxidation/[3+2] cycloaddition reactions toward the construction of pyrrolo[2,1-a]isoquinolines under visible light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 404, 112877.	3.9	8
79	A Regioselective Synthesis of Aryl Sulfones Using Graphite/MeSO <sub>3</sub> H (GMA). <i>Letters in Organic Chemistry</i> , 2008, 5, 425-428.	0.5	7
80	Visible-Light-Driven Direct Oxidative Coupling Reaction Leading to Alkyl Aryl Ketones, Catalyzed by Nano Pd/ZnO. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 2282-2288.	2.4	7
81	Cu <sub>2</sub> O/TiO <sub>2</sub> as a sustainable and recyclable photocatalyst for gram-scale synthesis of phenols in water. <i>Molecular Catalysis</i> , 2021, 514, 111810.	2.0	7
82	Nano-rod ZnO as a novel and reusable catalyst for C~P bond formation and hydrophosphonation of isatin derivatives under solvent-free conditions. <i>Canadian Journal of Chemistry</i> , 2013, 91, 1117-1122.	1.1	6
83	Synthesis of Ag nanoparticles decorated on TiO <sub>2</sub> nanotubes for surface adsorption and photo-decomposition of methylene blue under dark and visible light irradiation. <i>Research on Chemical Intermediates</i> , 2019, 45, 1829-1840.	2.7	6
84	N-doped ZnO as an efficient photocatalyst for thiocyanation of indoles and phenols under visible-light. <i>Photochemical and Photobiological Sciences</i> , 2021, 20, 903-911.	2.9	6
85	Reduced graphene oxide-zinc sulfide (RGO-ZnS) nanocomposite: a new photocatalyst for oxidative cyclization of benzylamines to benzazoles under visible-light irradiation. <i>Reaction Chemistry and Engineering</i> , 2022, 7, 2202-2210.	3.7	6
86	Synthesis of camphorquinoxaline and quinoxaline derivatives over metal oxides as catalyst. <i>Journal of the Iranian Chemical Society</i> , 2012, 9, 535-543.	2.2	5
87	Visible-Light-Induced C~P Bond Formation Using Reduced Graphene Oxide Decorated with Copper Oxide/Zinc Oxide (rGO/CuO/ZnO) as Ternary Recyclable Nanophotocatalyst. <i>ChemistrySelect</i> , 2021, 6, 1764-1771.	1.5	5
88	One-Pot Multi-Component Route to Propargylamines Using Zinc Oxide Under Solvent-Free Conditions. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2014, 17, 439-449.	1.1	5
89	Visible-light mediated, catalyst-free synthesis of 3-indolyl-3-hydroxy oxindoles in water. <i>Sustainable Chemistry and Pharmacy</i> , 2020, 18, 100343.	3.3	4
90	Visible-light-mediated phosphonylation reaction: formation of phosphonates from alkyl/arylhydrazines and trialkylphosphites using zinc phthalocyanine. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 5905-5911.	2.8	4

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91	Solvent-free Synthesis of Propargylic Alcohols using ZnO as a New and Reusable Catalyst by Direct Addition of Alkynes to Aldehydes. Bulletin of the Korean Chemical Society, 2011, 32, 4297-4303.	1.9	4
92	Al <sub>2</sub> O <sub>3</sub> /MeSO <sub>3</sub> H (AMA) as a Novel Heterogeneous System for the Nitration of Aromatic Compounds by Magnesium Nitrate Hexahydrate. Journal of Chemical Research, 2008, 2008, 722-724.	1.3	3
93	Ni <sub>3</sub> N <sub>4</sub> Photocatalysis: Aerobic Oxidative Coupling Reaction Leading to Amidation of Aldehydes with Amines and C <sup>N</sup> , C <sup>O</sup> , and C <sup>C</sup> Cross-Coupling Reaction. European Journal of Organic Chemistry, 2022, 2022, .	2.4	3
94	Nano Ni <sub>3</sub> N <sub>4</sub> Photocatalyzed Aerobic Oxidative Coupling Reaction toward Alkyl Aryl Ketones Derivatives under Visible Light Irradiation. ChemistrySelect, 2021, 6, 9128-9133.	1.5	1
95	Au@Pd@ZnO alloy nanoparticles: a promising heterogeneous photocatalyst toward decarboxylative trifluoromethylation under visible-light irradiation. New Journal of Chemistry, 0, , .	2.8	1