

# Sk Riyajuddin

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

821  
citations

567281

15  
h-index

580821

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

705  
citing authors

#	ARTICLE	IF	CITATIONS
1	Se-Incorporated Porous Carbon/Ni <sub>5</sub> P <sub>4</sub> Nanostructures for Electrocatalytic Hydrogen Evolution Reaction with Waste Heat Management. ACS Applied Nano Materials, 2022, 5, 1385-1396.	5.0	16
2	Strategy to Improve the Photovoltaic Performance of Si/CuO Heterojunction via Incorporation of Ta <sub>2</sub> O <sub>5</sub> Hopping Layer and MXene as Transparent Electrode. ACS Applied Energy Materials, 2022, 5, 3941-3951.	5.1	8
3	Super-Hydrophilic Leaflike Sn <sub>4</sub> P <sub>3</sub> on the Porous Seamless Graphene-Carbon Nanotube Heterostructure as an Efficient Electrocatalyst for Solar-Driven Overall Water Splitting. ACS Nano, 2022, 16, 4861-4875.	14.6	41
4	Visible light assisted chemical fixation of atmospheric CO <sub>2</sub> into cyclic Carbonates using covalent organic framework as a potential photocatalyst. Molecular Catalysis, 2021, 499, 111253.	2.0	34
5	Super-Hydrophilic Hierarchical Ni-Foam-Graphene-Carbon Nanotubes-Ni <sub>2</sub> P-CuP <sub>2</sub> Nano-Architecture as Efficient Electrocatalyst for Overall Water Splitting. ACS Nano, 2021, 15, 5586-5599.	14.6	216
6	pn silicon nanowire array-NGQD: a metal-free electrocatalyst for the photoelectrochemical hydrogen evolution. Sustainable Energy and Fuels, 2021, 5, 3160-3171.	4.9	9
7	Silicon nanowire-Ta <sub>2</sub> O <sub>5</sub> -NGQD heterostructure: an efficient photocathode for photoelectrochemical hydrogen evolution. Sustainable Energy and Fuels, 2021, 6, 197-208.	4.9	14
8	Zn@TFP-DAQ COF: an efficient mesoporous catalyst for the synthesis of N-methylated amine and carbamate through chemical fixation of CO <sub>2</sub> . New Journal of Chemistry, 2020, 44, 744-752.	2.8	34
9	POP-Pd catalyzed easy and safe in situ carbonylation towards the synthesis of $\alpha$ -ketoamides from secondary cyclic amines utilizing CHCl <sub>3</sub> as a carbon monoxide surrogate. New Journal of Chemistry, 2020, 44, 1979-1987.	2.8	10
10	3D-Graphene Decorated with g-C <sub>3</sub> N <sub>4</sub> /Cu <sub>3</sub> P Composite: A Noble Metal-free Bifunctional Electrocatalyst for Overall Water Splitting. ChemCatChem, 2020, 12, 1394-1402.	3.7	71
11	In Situ Carbonylative Synthesis of Aromatic Esters and Formation of Quinazoline-2,4(1H,3H)-diones by Chemical Fixation of CO <sub>2</sub> in Assistance of Polymer-Supported Palladium Catalyst. ChemistrySelect, 2020, 5, 10355-10366.	1.5	1
12	Synthesis of benzimidazolones via CO <sub>2</sub> fixation and N-phenyl formamides using formic acid in presence of zinc embedded polymer complex. New Journal of Chemistry, 2020, 44, 12680-12691.	2.8	14
13	Cu-NPs@COF: A potential heterogeneous catalyst for CO <sub>2</sub> fixation to produce 2-oxazolidinones as well as benzimidazoles under moderate reaction conditions. Journal of CO <sub>2</sub> Utilization, 2020, 40, 101180.	6.8	53
14	Linear piezoresistive strain sensor based on graphene/g-C <sub>3</sub> N <sub>4</sub> /PDMS heterostructure. Nanotechnology, 2020, 31, 295501.	2.6	35
15	Mesoporous covalent organic framework: An active photo-catalyst for formic acid synthesis through carbon dioxide reduction under visible light. Molecular Catalysis, 2020, 484, 110730.	2.0	45
16	Zinc (II) incorporated porous organic polymeric material (POPs): A mild and efficient catalyst for synthesis of dicoumarols and carbonylative cyclization of propargyl alcohols and CO <sub>2</sub> in ambient conditions. Molecular Catalysis, 2019, 477, 110541.	2.0	18
17	Catalytic synthesis of benzimidazoles and organic carbamates using a polymer supported zinc catalyst through CO <sub>2</sub> fixation. New Journal of Chemistry, 2019, 43, 14643-14652.	2.8	37
18	Polymer-incarcerated palladium-catalyzed facile in situ carbonylation for the synthesis of aryl aldehydes and diaryl ketones using CO surrogates under ambient conditions. New Journal of Chemistry, 2019, 43, 9802-9814.	2.8	7

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19	Study of field emission properties of pure graphene-CNT heterostructures connected via seamless interface. <i>Nanotechnology</i> , 2019, 30, 385702.	2.6	27
20	Reduction of carbon dioxide with mesoporous SnO <sub>2</sub> nanoparticles as active photocatalysts under visible light in water. <i>Catalysis Science and Technology</i> , 2019, 9, 6566-6569.	4.1	24
21	Role of Li <sup>+</sup> and Fe <sup>3+</sup> in modified ZnO: Structural, vibrational, opto-electronic, mechanical and magnetic properties. <i>Ceramics International</i> , 2019, 45, 7232-7243.	4.8	9
22	Modified Graphene Oxide Based Zinc Composite: an Efficient Catalyst for N-Formylation and Carbamate Formation Reactions Through CO <sub>2</sub> Fixation. <i>ChemCatChem</i> , 2019, 11, 1303-1312.	3.7	49
23	Polymer immobilized [Mg@PS-anthra] complex: An efficient recyclable heterogeneous catalyst for the incorporation of carbon dioxide into oxiranes at atmospheric pressure and Knoevenagel condensation reaction under solvent free condition. <i>Journal of Organometallic Chemistry</i> , 2019, 880, 322-332.	1.8	21
24	Synthesis and architecture of polystyrene-supported Schiff base-palladium complex: Catalytic features and functions in diaryl urea preparation in conjunction with Suzuki-Miyaura cross-coupling reaction by reductive carbonylation. <i>Journal of Organometallic Chemistry</i> , 2018, 877, 37-50.	1.8	14
25	Effect of ionic size compensation by Ag <sup>+</sup> incorporation in homogeneous Fe-substituted ZnO: studies on structural, mechanical, optical, and magnetic properties. <i>RSC Advances</i> , 2018, 8, 24355-24369.	3.6	14