LIST OF PUBLICATIONS OF PROF. KULAMANI PARIDA

Publication breaks up journal-wise of Prof. Kulamani Parida (Impact factor > 3.0)
Average impact factor: 7.23 as on 23.01.2023

Sl. No.	*Name of the journals*	*No. papers*	*Impact factor*	**Total**
ACS, JOURNALS (71)				
1	ACS Applied Materials & Interfaces	5	**10.38**	**51.9**
2	Environmental Science Technology	1	**11.36**	**11.36**
3	ACS Sustainable Chemistry and Engineering	5	**9.22**	**46.1**
4	Inorganic Chemistry	20	**5.43**	**108.6**
5	J physical Chemistry C	12	**4.17**	**45.87**
6	Industrial & Engineering Chemistry Research	13	**4.32**	**56.16**
7	ACS applied Nano materials	2	**6.14**	**12.28**
8	ACS Applied Energy materials	3	**6.95**	**20.85**
9	Energy & Fuels	2	**4.65**	**9.3**
10	ACS Omega	9	**4.13**	**37.17**
11	Langmuir	2	**4.33**	**8**
RSC, JOURNALS (104)				
12	J of Materials Chemistry A	21	**14.51**	**304.71**
13	Nano Scale	4	**8.3**	**33.2**
14	Chemical Communication	1	**6.06**	**6.06**
15	Catalysis Science and Technology	20	**6.17**	**123.4**
16	Inorganic Chemistry Frontiers	12	**7.77**	**93.24**
17	Dalton Transactions	13	**4.56**	**59.28**
18	Physical Chemistry Chemical Physics	4	**3.94**	**15.76**
19	RSC Advance	19	**4.03**	**76.57**
20	Materials Horizons	1	**15.71**	**15.71**
21	New Journal of Chemistry	04	**3.92**	**15.68**
22	Materials chemistry Frontiers	1	**6.05**	**6.05**
23	Nanoscale Advances	04	**5.11**	**20.44**
24	Materials Advances	1	**Pending**	
25	Energy Advances	1	**Pending**	
26	Environmental Science Advances	1	**Pending**	
27	Sustainable Energy and Fuels	1	**6.81**	**6.81**
SPRINGER NATURE, JOURNALS (02)				
28	Scientific reports	02	**4.99**	**9.98**
WILEY, JOURNALS (10)				
29	ChemSusChem	01	**9.14**	**9.14**
30	ChemCatChem	06	**5.5**	**33.0**
31	Advance Materials Interface	02	**6.38**	**12.76**
32	Chemistry: An Asian Journal	1	**4.83**	**4.83**
ELSEVIER, JOURNALS (200)				
33	Coordination Chemistry Reviews	3	**24.83**	**74.49**
34	Applied Catalysis B: Environmental	02	**21.41**	**42.82**

35	Journal of Photochemistry and Photobiology C: Photochemistry Reviews	1	**17.17**	**17.17**
36	Chemical Engineering Journal	09	**16.74**	**150.66**
37	Journal of Catalysis	02	**8.04**	**16.08**
38	J of hazardous materials	03	**14.22**	**42.66**
39	J Colloid and Interface Science	58	**9.96**	**567.72**
40	Electrochimca Acta	04	**6.90**	**27.6**
41	Applied Surface Science	01	**7.39**	**7.39**
42	Separation and Purification Technology	02	**8.42**	**16.84**
43	Chemosphere	01	**7.08**	**7.08**
44	Journal of Molecular Catalysis. A. Chemical	36	**5.06**	**182.16**
45	Catalysis Today	06	**6.56**	**39.36**
46	Applied Catalysis A: General	24	**5.70**	**136.8**
47	Solar Energy	01	**5.74**	**5.74**
48	International Journal of Hydrogen Energy	16	**7.13**	**114.08**
49	Microporous and Mesoporous Materials	02	**5.58**	**11.16**
50	Applied Clay Science	02	**5.90**	**11.8**
51	J Environmental Chemical Engineering	08	**7.49**	**59.92**
52	Catalysis Communications	07	**3.62**	**25.34**
53	J Photochemistry and Photobiology A: Chemistry	03	**4.29**	**12.87**
54	Materials Letters	02	**3.57**	**7.14**
55	Carbon	1	**11.3**	**11.3**
56	Journal of alloys and compounds	03	**6.37**	**19.11**
57	Journal of energy storage	1	**8.90**	**8.9**
58	Journal of molecular liquids	02	**6.63**	**13.26**
59	Journal of Physics and Chemistry of Solids	1	**4.38**	**4.38**
SPRINGER (13)				
60	Catalysis Letters	13	**3.18**	**41.34**
MDPI, JOURNALS (01)				
61	Catalysts	01	**4.50**	**4.5**
Total		**405**		**2930.21**

TOTAL LIST OF PUBLICATIONS IN SCI JOURNALS
(PROF. KULAMANI PARIDA)

Sl. No.	Author Basis
2023	
508	Ritik Mohanty , Kaushik Parida*, Kulamani Parida*, 2023, Redox mediator enhanced charge storage in dimensionally tailored nanostructure towards flexible hybrid solid-state supercapacitors. Nanoscale Advances. In press
507	Amtul Nashim , Ritik Mohanty, Priyadarshi k Ray, Kulamani Parida *, 2023, Gallium based nascent electrode materials towards promising supercapacitor application: A Review. RSC Advance. In Press
506	Priyadarshi K. Ray, Ritik Mohanty, Kulamani Parida *, 2023, Recent advancements of NiCo LDH and graphene based nanohybrids for supercapacitor application, Journal of Energy Storage. 72, 108335, Doi-https://doi.org/10.1016/j.est.2023.108335
505	S. Mansingh, K.K Das, N.Priyadarshini, D.P Sahoo, D. Prusty, J. Sahu, U. Mohanty, **K.Parida,** 2023, Minireview elaborating S-scheme charge dynamic Photocatalyst: Journey from Z to S, mechanism of charge flow, characterization proof and H2O2 evolution, Energy and fuels. 37, 14, 9873–9894, Doi-https://doi.org/10.1021/acs.energyfuels.3c00717
504	L. Biswal, B P Mishra, S Das, L Acharya, S Nayak and **K.M. Parida*,** 2023. N Nanoarchitecture of a Ti3C2@TiO2 Hybrid for Photocatalytic Antibiotic Degradation and Hydrogen Evolution: Stability, Kinetics, and Mechanistic Insights. Inorg. Chem. 62,19, 7584–7597. Doi- https://doi.org/10.1021/acs.inorgchem.3c01138
503	S P Tripathy, S Subudhi, A Ray, P Behera, G Swain, M Chakraborty and **K.M. Parida*,**2023**,** MgIn2S4/UiO-66-NH2 MOF-Based Heterostructure: Visible-Light-Responsive Z-Scheme Mediated Synergistically Enhanced Photocatalytic Performance toward Hydrogen and Oxygen Evolution. Langmuir. 39, 21, 7294–7306 , Doi-https://doi.org/10.1021/acs.langmuir.3c00151
502	D Prusty, S Mansingh, N Priyadarshini and **K.M. Parida*,**2023,Unraveling the Photocatalytic Efficiency of Quinary Alloyed QDs for H2O2 Production and Antibiotic Degradation with detail Kinetic and Influencing factor Study.Surf. Interfaces. 39,102999. Doi- https://doi.org/10.1016/j.surfin.2023.102999
501	J Sahu, D Prusty, S Mansingh, and **K.M. Parida*,** 2023, A Review on Alloyed Quantum Dots and their Applications as Photocatalysts. Int. J. Hydrog. Energy. Doi-https://doi.org/10.1016/j.ijhydene.2023.04.109
500	J Panda, S P Tripathy, S Dash, A Ray, P Behera, S Subudhi and **K.M Parida***, **2023** , Inner Transition metals modulated metal organic frameworks (IT-MOFs) and its derived nanomaterials: A strategic approach towards stupendous photocatalysis. Nanoscale. 15, 7640-7675, Doi- https://doi.org/10.1039/D3NR00274H

499	K K Das, S Mansingh, R Mohanty, D P Sahoo, N Priyadarshini and **K.M. Parida*, 2023,** 0D-2D Fe_2O_3 boron doped g-C_3N_4 S-scheme excitonengineering for photocatalytic H_2O_2 production and photo-fenton Recalcitrant-pollutant detoxification:Kinetic, influencing factor and mechanism. J. Phys. Chem. C, 127, 1, 22-40. DOI: https://doi.org/10.1021/acs.jpcc.2c06369.
498	B P Mishra, L Biswal, S Das, L Acharya and **K.M. Parida*, 2023,** Architecture and kinetic studies of photocatalytic H_2O_2 generation and H2 evolution through regulation of spatial charge transfer via Z-scheme path over A(001) facet engineering TiO2@Mxene/B-g-C3N4 Ternary hybrid. Langmuir, 39, 3, 957-971. DOI: https://doi.org/10.1021/acs.langmuir.2c02315.
497	S. Das, L Biswal, L Acharya, BP Mishra **K.M. Parida***, **2023,** Orientation of 1T Phase Mediated 1T/2H-MoS_2 Nanoflowers Embellished BCN Nanosheets Z-Scheme Heterojunction towards Antibiotic Degradation and H2 Evolution, Catal. Sci., Technol., 13, 2827-2840 . Doi- https://doi.org/10.1039/D3CY00266G
496	S. Nayak and **K.M. Parida***, **2023,** Plethora of preparatory features on single layered double hydroxide towards energy conversion process, Mater. Res. Bull., 162, 112185. https://doi.org/10.1016/j.materresbull.2023.112185.
495	U A Mohanty, D Sahoo, L paramanik and **K.M. Parida*, 2023**, A critical review on layered double hydroxide (LDH) derived functional nanomaterials as potential and sustainable photocatalyst**,** Sustainable Energ. Fuels, **7**, 1145-1186 DOI: https://doi.org/10.1039/D2SE01510B.
494	BP Mishra, L Acharya and **K.M. Parida*, 2023,** Synergistic effect of exfoliation and substitutional doping in graphitic carbon nitride for photocatalytic and H_2 generation: A comparison and kinetic study. Catal. Sci., Technol., 13**,** 1448-1458. DOI: https://doi.org/10.1039/D2CY02028A
493	D Prusty, S Mansingh and **K.M. Parida*, 2023,** Synthesis of Z-scheme 0D-3Dheterojunction Bi-functional photocatalyst with ZnInCuS alloyed QDs supported BiOI MF for H_2O_2 production and N_2 fixation**,** Catal. Sci., Technol., 13, 1311-1324. DOI: https://doi.org/10.1039/D2CY02107B.
492	L Biswal, L Achrya, B P Mishra, S Das, G Swain and **K.M. Parida*, 2023,** Interfacial solid state mediator based z-scheme heterojunction TiO_2@Ti_3C_2/$MgIn_2S_4$ microflower for efficient photocatalytic pharmaceuticals micro-pollutant degradation and H_2 generation : Stability, Kenetics and Mechanistic insights**,** ACS Appl. Energy Mater., 6, 3, 2081–2096. DOI: https://doi.org/10.1021/acsaem.2c04144.
491	P. Behera, A Ray, SP Triopathy, L Acharya, S Subuddhi and **K.M. Parida*, 2023,** ZIF-8 derived porous C, N co-doped ZnO modified B-g-C_3N_4: A Z-Scheme charge dynamics approach operative towards photocatalytic Hydrogen evolution and Ciprofloxacin degradation. J. Photochem. Photobiol. A: Chem., 436, 1, 114415, DOI-https://doi.org/10.1002/admi.202201440.
490	S Nayak, KK Das and **K.M. Parida***, **2023**, Indulgent of the physiochemical features of MgCr-LDH nanosheets towards photodegradation process of methylene blue**.** J Colloid Interface Sci., 634,121-137. DOI: https://doi.org/10.1016/j.jcis.2022.12.050.
489	S.P Tripathy, S. Subudhi, A. Ray, P. Behera, J. Panda, S. Dash and **K.M. Parida*, 2023**, Hydrolytically stable mixed ditopic linker based Zirconium metal organic framework as a robust photocatalyst towards Tetracycline Hydrochloride degradation and Hydrogen evolution. J. Colloid Interface Sci., 629, 705-718. DOI:

	10.1016/j.jcis.2022.09.104
488	S Mishra, R Acharya and **K.M. Parida*, 2023,** Spinel-Ferrite-Decorated Graphene-Based Nanocomposites for Enhanced Photocatalytic Detoxification of Organic Dyes in Aqueous Medium: A Review, Water, 15, 1, 81. DOI: https://doi.org/10.3390/w15010081
	2022
487	S P Tripathy, S Subudhi, A Ray, P Behera, **K. M. Parida***, I Stepanenko, M Zalibera, D Schaniel, J Telser, V B Arion, **2022,** An international journal of inorganic chemistry incorporating Acta Chemica Scandinavica. **Dalton Trans., 51, 5394.**
486	D Prusty, S Mansingh, N Priyadarshini and **K.M. Parida*, 2022,** Defect Controlled via. Compositional Engineering of Zn-Cu-In-S Alloyed QDs for Photocatalytic H2O2 Generation and Micro-pollutant Degradation: Affecting Parameters, Kinetics, and Insightful Mechanism. Inorg. Chem., 61, 47, 18934-18949. DOI- https://doi.org/10.1021/acs.inorgchem.2c02977
485	A Ray, S Subudhi,S P Tripathy, L Acharya and **K.M. Parida***, 2022, MOF Derived C/N Co-Doped ZnO Modified through Facile In Situ Coupling with Ni_xP_y toward Photocatalytic H_2O_2 Production and H_2 Evolution Reaction. Adv. Mater. Interfaces. 9, 34, 2201440. DOI- https://doi.org/10.1002/admi.202201440.
484	D Prusty, S Mansingh, KK Das, J Sahu and **K.M. Parida*,** 2022, Non-stoichiometric $Cu_xIn_{1-x}S$ quantum dots for robust photodegradation of gemifloxacin: influencing parameters, intermediates, and insights into the mechanism. Environ. Sci.:Adv. DOI- https://doi.org/10.1039/D2VA00143H
483	N. Priyadarshini, KK Das, S Mansingh and **K.M. Parida*,** 2022, Facile fabrication of functionalised Zr co-ordinated MOF: Antibiotic adsorption and insightful physiochemical characterization. Results in Chem.,4, 100450.DOI- https://doi.org/10.1016/j.rechem.2022.100450
482	BP Mishra, L Acharya, S Subudhi and **K.M. Parida*,**2022,Oxygen vacancy rich α-MnO_2 @B/O-g-C_3N_4 photocatalyst: A thriving 1D-2D surface interaction effective towards photocatalytic O_2 and H_2 evolution through Z-scheme charge dynamics. Int. J. of Hydrogen Eng., (In press). DOI- https://doi.org/10.1016/j.ijhydene.2022.07.125
481	L. Paramanik, S Subuddhi and **K.M. Parida*,**2022 , Visible light active titanate perovskites: An overview on its synthesis, characterization and photocatalytic applications. Mater. Res. Bull., 155, 111965.DOI- https://doi.org/10.1016/j.materresbull.2022.111965
480	S Das, G Swain, B P Mishra and **K.M. Parida***,2022, Tailoring the fusion effect of phase engineered 1T/2H-MoS_2 towards photocatalytic hydrogen evolution. New J. Chem. 2022**.** 46, 14922-14932.DOI- https://doi.org/10.1039/D2NJ01694J
479	R Mohanty, G Swain, K parida and **K.M. Parida***, 2022, Enhanced electrochemical performance of flexible asymmetric supercapacitor based on novel nanostructured activated fullerene anchored zinc cobaltite. J. Alloys Compd.,2022, 919, 165753. DOI- https://doi.org/10.1016/j.jallcom.2022.165753
478	D P Sahoo, KK Das, S Mansingh, S Sultana and **K.M. Parida*,** 2022. Recent progress in first row transition metal layered double hydroxide (LDH) based electrocatalyst towards water splitting: A review with insights on synthesis and strategy to increase activity. Coord. Chem. Rev.,469, 214666. DOI-

	https://doi.org/10.1016/j.ccr.2022.214666
477	L Paramanik, S Sultana and **K.M. Parida***, 2022. Photocatalytic and photo-electrochemical ammonia synthesis over dimensional oriented cobalt titanate/nitrogen-doped reduced graphene oxide junction interface catalyst, J. Colloid Interface Sci., 625,83-99. DOI: 10.1016/j.jcis.2022.06.010
476	D prusty, S Mansingh and **K M Parida***, 2022 CIS QDs Nucleated on Oxygen Vacancy rich BOI Microplates: A Hybrid Photocatalyst with Enhanced Green Energy Production via Mediator free Z-scheme Dynamic.Energy Advances, 1, 422-437.DOI-https://doi.org/10.1039/D2YA00046F
475	S Nayak and KM Parida*, 2022,Superlative Photoelectrochemical Properties of 3D MgCr- LDH Nanoparticles influencing towards Photoinduced Water Splitting Reactions. Scientific reports, 12, 1-23. DOI: 10.1038/s41598-022-13457-x
474	A Nashim and **KM Parida***,2022 A Glimpse on the plethora of applications of prodigious material MXene. SM&T., 32,e00439. DOI: 10.1016/j.susmat.2022.e00439
473	L Biswal,S Nayak and **K.M Parida***,2022, Rationally designed Ti_3C_2/N, S-TiO_2/g-C_3N_4 ternary heterostructure with spatial charge separation for enhanced photocatalytic hydrogen evolution. J. Colloid Interface Sci., 621,254-266. DOI**-** https://doi.org/10.1016/j.jcis.2022.04.071
472	R Acharya,S Pati and **K.M. Parida*,**2022, A review on visible light driven spinel ferrite-g-C_3N_4 photocatalytic systems with enhanced solar light utilization. J. Mol. Liq. 357,119105. DOI: 10.1016/j.molliq.2022.119105
471	P Babu, SR Dash and **K.M. Parida***,2022, Mechanistic insight the visible light driven hydrogen generation by plasmonic Au-Cu alloy mounted on TiO_2 @B-doped g-C_3N_4 heterojunction photocatalyst. J. Alloys Compd**.,**909, 164754**. DOI-** **https://doi.org/10.1016/j.jallcom.2022.164754**
470	S P Tripathy, S Subudhi, A Ray, P Behera and **K.M. Parida***,2022, Metal organic framework-based Janus nanomaterials: rational design, strategic fabrication and emerging applications. Dalton Trans. 51, 5352-5366.DOI- https://doi.org/10.1039/D1DT04380C
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467	L Acharya, G Swain, B P Mishra, R Acharya and **K M Parida***,2022, Development of $MgIn_2S_4$ Microflower-Embedded Exfoliated B-Doped g-C_3N_4 Nanosheets: p–n Heterojunction Photocatalysts toward Photocatalytic Water Reduction and H_2O_2 Production under Visible-Light Irradiation. ACS Appl. Energy Mater. 5, 3, 2838–2852.DOI- https://doi.org/10.1021/acsaem.1c03525
466	SP Tripathy, S Subudhi, A Ray, P Behera, A Bhaumik and **K.M. Parida***,2022, Mixed-Valence Bimetallic Ce/Zr MOF-Based Nanoarchitecture: A Visible-Light-Active Photocatalyst for Ciprofloxacin Degradation and Hydrogen

	Evolution.Langmuir, 38, 5, 1766–1780.DOI- https://doi.org/10.1021/acs.langmuir.1c02873
465	L Paramanik, S Sultana and **K.M. Parida*,**2022, Energy band modulation in $Cu_xP(x=3,1/2)/PbTiO_3$ via heterogeneous erection induced benign junction interface for enhanced photocatalytic H_2 evolution. Int. J. Hydrog. Energy,47(6), 3893-3905. DOI- https://doi.org/10.1016/j.ijhydene.2021.11.047
464	R Mohanty,S Mansingh, K Parida and **K.M. Parida***,2022, Boosting sluggish photocatalytic hydrogen evolution through piezo-stimulated polarization: a critical review, Mater. Horiz.9, 1332-1355.DOI- https://doi.org/10.1039/D1MH01899J
463	L. Acharya, B.P. Mishra, S.P. Pattnaik, R. Acharya and **K.M. Parida***,2022, Incorporating nitrogen vacancies in exfoliated B-doped gC3N4 towards improved photocatalytic ciprofloxacin degradation and hydrogen evolution. New J. Chem.,46, 3493-3503.DOI- https://doi.org/10.1039/D1NJ05838J
462	S Das, G Swain and **K.M. Parida***,2022, A concise discussion on MoS_2 basal plane activation toward the ennoblement of electrocatalytic HER output. Sustain. Energy & Fuels,6**,** 937-953.DOI-https://doi.org/10.1039/D1SE01690C
461	S Mansingh, D P Sahoo, L Paramanik, M Sahoo and **K.M. Parida***,2022, Robust charge carrier engineering via plasmonic effect and conjugated Π-framework on Au loaded ZnCr-LDH/RGO photocatalyst towards H_2 and H_2O_2 production. Inorg. Chem. Front.,9, 559-576.DOI- https://doi.org/10.1039/D1QI01284C
460	P Babu, S R Dash, A Behera, T Vijayaraghavan, A. Ashok and **K.M.Parida*,**2022 Prominence of Cu in a plasmonic Cu–Ag alloy decorated SiO2@S-doped C3N4 core–shell nanostructured photocatalyst towards enhanced visible light activity. Nanoscale Adv., 4(1), 150-162. DOI- https://doi.org/10.1039/D1NA00633A
459	D Prusty, S Mansingh, L Acharya, L Paramanik and **K.M. Parida***,2022,Robust direct Z-scheme exciton transfer dynamics by architecting 3D BiOI MF-supported non-stoichiometric Cu0.75In0.25S NC nanocomposite for co-catalyst-free photocatalytic hydrogen evolution. RSC Adv.,12(3),1265-1277.DOI- https://doi.org/10.1039/D1RA08004K
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457	S.P. Tripathy, S. Subudhi, S. Das, M.K. Ghosh, M. Das, R. Acharya, R. Acharya and **K.M. Parida***,2022, Hydrolytically stable citrate capped Fe3O4@ UiO-66-NH2 MOF: A hetero-structure composite with enhanced activity towards Cr (VI) adsorption and photocatalytic H_2 evolution. J. Colloid Interface Sci, 606, 353-366. DOI: 10.1016/j.jcis.2021.08.031
456	L Biswal, R Mohanty, S Nayak & **K.M. Parida***,2022, Review on MXene/TiO2 nanohybrids for photocatalytic hydrogen production and pollutant degradations. J. Environ. Chem. Eng.,10(2), 107211. DOI- https://doi.org/10.1016/j.jece.2022.107211
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454	S. Mansing, S. Subudhi, S. Sultana, G. Swain and **K.M. Parida***,2021, Cerium-Based Metal–Organic Framework Nanorods Nucleated on CeO_2 Nanosheets for Photocatalytic N_2 Fixation and Water Oxidation. ACS Appl. Nano. Mater., 4, 9635-9652.DOI- https://doi.org/10.1021/acsanm.1c02043
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452	S. Sultana, L.Paramanik, S. Mansingh and **K.M. Parida*,** 2021, Robust Photo-electrochemical route for the ambient fixation of di-nitrogen into ammonia over nanojunction assembled from ceria and iron boride/phosphide co-catalyst". Inorgn. Chem., 61(1) 131–140. DOI- https://doi.org/10.1021/acs.inorgchem.1c02504
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450	L. Acharya, S.P. Pattnaik, A. Behera, R. Acharya and **K.M. Parida***,2021, Exfoliated Boron Nitride (e-BN) Tailored Exfoliated Graphitic Carbon Nitride (e-CN): An Improved Visible Light Mediated Photocatalytic Approach towards TCH Degradation and H2 Evolution. Inorgn. Chem., 60(7), 5021–5033. DOI: 10.1021/acs.inorgchem.1c00062
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