

Tolendra Kshetri

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,605
citations

304602

22
h-index

580701

25
g-index

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all docs

25
docs citations

25
times ranked

1671
citing authors

#	ARTICLE	IF	CITATIONS
1	Alkaline Water Splitting Enhancement by MOF-Derived Fe-Co Oxide/Co@NC@NS Heterostructure: Boosting OER and HER through Defect Engineering and In Situ Oxidation. <i>Small</i> , 2021, 17, e2101312.	5.2	166
2	Ternary graphene-carbon nanofibers-carbon nanotubes structure for hybrid supercapacitor. <i>Chemical Engineering Journal</i> , 2020, 380, 122543.	6.6	157
3	Recent advances in two-dimensional transition metal dichalcogenides-graphene heterostructured materials for electrochemical applications. <i>Progress in Materials Science</i> , 2018, 96, 51-85.	16.0	132
4	Sunlight-driven sustainable production of hydrogen peroxide using a CdS-graphene hybrid photocatalyst. <i>Journal of Catalysis</i> , 2017, 345, 78-86.	3.1	130
5	Recent advances in MXene-based nanocomposites for electrochemical energy storage applications. <i>Progress in Materials Science</i> , 2021, 117, 100733.	16.0	97
6	Emerging core-shell nanostructured catalysts of transition metal encapsulated by two-dimensional carbon materials for electrochemical applications. <i>Nano Today</i> , 2018, 22, 100-131.	6.2	86
7	Embedded PEDOT:PSS/AgNFs network flexible transparent electrode for solid-state supercapacitor. <i>Chemical Engineering Journal</i> , 2019, 359, 197-207.	6.6	84
8	Flexible transparent supercapacitor with core-shell Cu@Ni@NiCoS nanofibers network electrode. <i>Chemical Engineering Journal</i> , 2020, 395, 125019.	6.6	82
9	Hierarchical material of carbon nanotubes grown on carbon nanofibers for high performance electrochemical capacitor. <i>Chemical Engineering Journal</i> , 2018, 345, 39-47.	6.6	66
10	Metal-Organic Framework-Derived Fe/Co-based Bifunctional Electrode for H ₂ Production through Water and Urea Electrolysis. <i>ChemSusChem</i> , 2019, 12, 4810-4823.	3.6	64
11	Co-MOF@MXene-carbon nanofiber-based freestanding electrodes for a flexible and wearable quasi-solid-state supercapacitor. <i>Chemical Engineering Journal</i> , 2022, 437, 135338.	6.6	58
12	Novel hydroxylated boron nitride functionalized <i>p</i> -phenylenediamine-grafted graphene: an excellent filler for enhancing the barrier properties of polyurethane. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21501-21515.	5.2	53
13	High-performance solid-state hybrid supercapacitor enabled by metal-organic framework-derived multi-component hybrid electrodes of Co-N-C nanofibers and Co ₂ x/Fe _x P-N-C micropillars. <i>Journal of Materials Chemistry A</i> , 2020, 8, 26158-26174.	5.2	53
14	Metal organic framework-derived cobalt telluride-carbon porous structured composites for high-performance supercapacitor. <i>Composites Part B: Engineering</i> , 2021, 211, 108624.	5.9	45
15	Vertically grown and intertwined Co(OH) ₂ nanosheet@Ni-mesh network for transparent flexible supercapacitor. <i>Chemical Engineering Journal</i> , 2020, 391, 123540.	6.6	44
16	Fibrous asymmetric supercapacitor based on wet spun MXene/PAN Fiber-derived multichannel porous MXene/CF negatode and NiCo ₂ S ₄ electrodeposited MXene/CF positrode. <i>Chemical Engineering Journal</i> , 2022, 449, 137732.	6.6	44
17	Freestanding 1T-Mn _x /Mo _{1-x} S ₂ -Se _y and MoFe ₂ S ₄ Nanosheet-Structured Electrodes for Highly Efficient Flexible Solid-State Asymmetric Supercapacitors. <i>Small</i> , 2020, 16, e2001691.	5.2	43
18	Layer-by-layer assembled polyelectrolyte-decorated graphene multilayer film for hydrogen gas barrier application. <i>Composites Part B: Engineering</i> , 2017, 114, 339-347.	5.9	40

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19	An embedded-PVA@Ag nanofiber network for ultra-smooth, high performance transparent conducting electrodes. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4198-4205.	2.7	35
20	Effects of the composition of reduced graphene oxide/carbon nanofiber nanocomposite on charge storage behaviors. <i>Composites Part B: Engineering</i> , 2019, 178, 107500.	5.9	30
21	Cation and anion (de)intercalation into MXene/Perovskite oxides for high-rate intercalation pseudocapacitance. <i>Energy Storage Materials</i> , 2022, 50, 86-95.	9.5	28
22	Recent progress on single atom/sub-nano electrocatalysts for energy applications. <i>Progress in Materials Science</i> , 2021, 115, 100711.	16.0	27
23	Covalently bonded boron nitride quantum dot and reduced graphene oxide composite electrode for highly efficient supercapacitors. <i>Composites Part B: Engineering</i> , 2021, 222, 109089.	5.9	21
24	Hierarchical patterns on laminated composite bilayer films via surface roughness-mediated buckling instability. <i>Composites Part B: Engineering</i> , 2020, 190, 107929.	5.9	10
25	Freestanding Binder-Free Electrodes with Nanodisk-Needle-like MnCuCo-LTH and Mn ₁ Fe ₂ S ₂ Porous Microthorns for High-Performance Quasi-Solid-State Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 12523-12537.	4.0	10