Moumita Kotal

List of Publications by Year
in descending order

		257101	377514
33	1,896	24	34
papers	citations	h-index	g-index

34	34	34	2859
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cathode materials for rechargeable lithium batteries: Recent progress and future prospects. Journal of Energy Storage, 2022, 47, 103534.	3.9	25
2	Electroionic Artificial Muscles: Metalâ€“Organic Frameworkâ€Derived Graphitic Nanoribbons Anchored on Graphene for Electroionic Artificial Muscles (Adv. Funct. Mater. 29/2020). Advanced Functional Materials, 2020, 30, 2070195.	7.8	4
3	Graphene-Templated Cobalt Nanoparticle Embedded Nitrogen-Doped Carbon Nanotubes for Efficient Visible-Light Photocatalysis. Crystal Growth and Design, 2020, 20, 4627-4639.	1.4	30
4	Metalâ€“Organic Frameworkâ€Derived Graphitic Nanoribbons Anchored on Graphene for Electroionic Artificial Muscles. Advanced Functional Materials, 2020, 30, 1910326.	7.8	27
5	Mechanochemical Synthesis of a New Triptycene-Based Imine-Linked Covalent Organic Polymer for Degradation of Organic Dye. Crystal Growth and Design, 2019, 19, 2525-2530.	1.4	46
6	Collectively Exhaustive Electrodes Based on Covalent Organic Framework and Antagonistic Coâ€Doping for Electroactive Ionic Artificial Muscles. Advanced Functional Materials, 2019, 29, 1900161.	7.8	56
7	Electroactive Artificial Muscles Based on Functionally Antagonistic Coreâ€“Shell Polymer Electrolyte Derived from PSâ€bâ€PSS Block Copolymer. Advanced Science, 2019, 6, 1801196.	5.6	29
8	Actuators: Functionally Antagonistic Hybrid Electrode with Hollow Tubular Graphene Mesh and Nitrogenâ€Doped Crumpled Graphene for Highâ€Performance Ionic Soft Actuators (Adv. Funct. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10	7.8	2
9	Functionally Antagonistic Hybrid Electrode with Hollow Tubular Graphene Mesh and Nitrogenâ€Doped Crumpled Graphene for Highâ€Performance Ionic Soft Actuators. Advanced Functional Materials, 2018, 28, 1705714.	7.8	51
10	Highly Bendable Ionic Soft Actuator Based on Nitrogenâ€Enriched 3D Heteroâ€Nanostructure Electrode. Advanced Functional Materials, 2018, 28, 1802464.	7.8	51
11	Nanohole-structured, iron oxide-decorated and gelatin-functionalized graphene for high rate and high capacity Li-Ion anode. Carbon, 2017, 119, 355-364.	5.4	26
12	Self-assembly and morphological control of three-dimensional macroporous architectures built of two-dimensional materials. Nano Today, 2017, 14, 100-123.	6.2	69
13	Electroionic Antagonistic Muscles Based on Nitrogenâ€Doped Carbons Derived from Poly(Triazineâ€Triptycene). Advanced Science, 2017, 4, 1700410.	5.6	30
14	Sulfur and nitrogen co-doped holey graphene aerogel for structurally resilient solid-state supercapacitors under high compressions. Journal of Materials Chemistry A, 2017, 5, 17253-17266.	5.2	68
15	Soft but Powerful Artificial Muscles Based on 3D Grapheneâ€“CNTâ€“Ni Heteronanostructures. Small, 2017, 13, 1701314.	5.2	60
16	Artificial Muscles: Electroionic Antagonistic Muscles Based on Nitrogenâ€Doped Carbons Derived from Poly(Triazineâ€Triptycene) (Adv. Sci. 12/2017). Advanced Science, 2017, 4, 1770062.	5.6	2
17	Recent Progress in Multifunctional Graphene Aerogels. Frontiers in Materials, 2016, 3, .	1.2	28
18	Defect engineering route to boron nitride quantum dots and edge-hydroxylated functionalization for bio-imaging. RSC Advances, 2016, 6, 73939-73946.	1.7	34

#	Article	IF	Citations
19	Sulfur and Nitrogen Coâ€Doped Graphene Electrodes for Highâ€Performance Ionic Artificial Muscles. Advanced Materials, 2016, 28, 1610-1615.	11.1	177
20	Functionalized graphene with polymer as unique strategy in tailoring the properties of bromobutyl rubber nanocomposites. Polymer, 2016, 82, 121-132.	1.8	55
21	Polymer nanocomposites from modified clays: Recent advances and challenges. Progress in Polymer Science, 2015, 51, 127-187.	11.8	475
22	Coordination Polymers Containing Tubular, Layered, and Diamondoid Networks: Redox, Luminescence, and Electron Paramagnetic Resonance Activities. Crystal Growth and Design, 2015, 15, 5604-5613.	1.4	35
23	Polyanilineâ€“Carbon Nanofiber Composite by a Chemical Grafting Approach and Its Supercapacitor Application. ACS Applied Materials & Interfaces, 2013, 5, 8374-8386.	4.0	119
24	Multifunctional Hybrid Materials Based on Carbon Nanotube Chemically Bonded to Reduced Graphene Oxide. Journal of Physical Chemistry C, 2013, 117, 25865-25875.	1.5	75
25	Preparation and properties of inâ€situ polymerized polyurethane/stearate intercalated layer double hydroxide nanocomposites. Polymer International, 2013, 62, 728-735.	1.6	10
26	Synergistic effect of organomodification and isocyanate grafting of layered double hydroxide in reinforcing properties of polyurethane nanocomposites. Journal of Materials Chemistry, 2011, 21, 18540.	6.7	35
27	Enhancements in Conductivity and Thermal Stabilities of Polypyrrole/Polyurethane Nanoblends. Journal of Physical Chemistry C, 2011, 115, 1496-1505.	1.5	47
28	Fabrication of Gold Nanoparticle Assembled Polyurethane Microsphere Template in Trypsin Immobilization. Journal of Nanoscience and Nanotechnology, 2011, 11, 10149-10157.	0.9	8
29	Structureâ€“property relationship of polyurethane/modified magnesium aluminium layered double hydroxide nanocomposites. International Journal of Plastics Technology, 2011, 15, 61-68.	2.9	14
30	Morphology and properties of stearateâ€intercalated layered double hydroxide nanoplateletâ€reinforced thermoplastic polyurethane. Polymer International, 2011, 60, 772-780.	1.6	32
31	Thermoplastic polyurethane and nitrile butadiene rubber blends with layered double hydroxide nanocomposites by solution blending. Polymer International, 2010, 59, 2-10.	1.6	90
32	Layered Double Hydroxide as Nanofiller in the Development of Polyurethane Nanocomposites. Journal of Nanoscience and Nanotechnology, 2010, 10, 5730-5740.	0.9	22
33	Synthesis and characterization of polyurethane/Mgâ€Al layered double hydroxide nanocomposites. Journal of Applied Polymer Science, 2009, 114, 2691-2699.	1.3	63