

# Rajender Singh Malik

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

883  
citations

394286

19  
h-index

477173

29  
g-index

31  
all docs

31  
docs citations

31  
times ranked

875  
citing authors

#	ARTICLE	IF	CITATIONS
1	Excellent electromagnetic interference shielding and mechanical properties of high loading carbon-nanotubes/polymer composites designed using melt recirculation equipped twin-screw extruder. <i>Carbon</i> , 2015, 89, 308-317.	5.4	160
2	A study of new anhydrous, conducting membranes based on composites of aprotic ionic liquid and cross-linked SPEEK for fuel cell application. <i>Electrochimica Acta</i> , 2015, 152, 352-359.	2.6	68
3	Synthesis and Opto-electronic features of 5,5'-bis(3,4-(ethylenedioxy)thien-2-yl)-2,2'-bipyridine. <i>Optik</i> , 2021, 248, 167942.	1.4	47
4	Preparation and optical investigation of green luminescent ternary terbium complexes with aromatic $\beta^2$ -diketone. <i>Chemical Physics Letters</i> , 2022, 794, 139495.	1.2	47
5	Spectroscopic and optoelectronic investigations of 3,8-bis(3,4-(ethylenedioxy)thien-2-yl)-1,10-phenanthroline. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 115-125.	1.1	43
6	Synthesis, photophysical characteristics and geometry optimization of Tris(2-benzoylacetophenonate)europium complexes with 2, 2'-Bipyridine derivatives. <i>Journal of Luminescence</i> , 2022, 247, 118873.	1.5	40
7	Luminous terbium and samarium complexes with diacetylmethane and substituted 1,10-phenanthroline derivatives for display applications: Preparation and optoelectronic investigations. <i>Journal of Luminescence</i> , 2022, 249, 119032.	1.5	39
8	Multi walled carbon nanotubes induced viscoelastic response of polypropylene copolymer nanocomposites: Effect of filler loading on rheological percolation. <i>Polymer Testing</i> , 2016, 55, 1-9.	2.3	37
9	Novel anhydrous composite membranes based on sulfonated poly (ether ketone) and aprotic ionic liquids for high temperature polymer electrolyte membranes for fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 12826-12834.	3.8	30
10	Electrochemical behavior of composite electrode based on sulphonated polymeric surfactant (SPEEK/PSS) incorporated polypyrrole for supercapacitor. <i>Journal of Electroanalytical Chemistry</i> , 2019, 835, 48-59.	1.9	27
11	Carbon quantum dots intercalated in polypyrrole (PPy) thin electrodes for accelerated energy storage. <i>Electrochimica Acta</i> , 2020, 364, 137281.	2.6	26
12	Red luminous Eu(III) complexes: Preparation, spectral, optical and theoretical evaluation. <i>Inorganica Chimica Acta</i> , 2022, 539, 121007.	1.2	26
13	Detailed dynamic mechanical analysis of thermomechanically stable melt-processed PEK/MWCNT nanocomposites. <i>Polymer Composites</i> , 2018, 39, 2587-2596.	2.3	24
14	Red luminous ternary europium complexes: Optoelectronic and photophysical analysis. <i>Journal of Luminescence</i> , 2022, 248, 118989.	1.5	22
15	Influence of coordinating environment on photophysical properties of UV excited sharp red emitting material: Judd Ofelt analysis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 430, 113999.	2.0	21
16	Melt rheology and thermomechanical behavior of poly(methyl methacrylate)/reduced graphene oxide nanocomposites. <i>Polymers for Advanced Technologies</i> , 2015, 26, 1558-1566.	1.6	20
17	Study of supercapacitive pursuance of polypyrrole/sulphonated poly (ether ether ketone) /multi walled carbon nanotubes composites for energy storage. <i>Journal of Energy Storage</i> , 2020, 27, 101162.	3.9	20
18	Preparation, spectroscopic and thermal investigation of fluorinated Sm(III) $\beta^2$ -diketonates with bidentate N donor ligands. <i>Chemical Physics Letters</i> , 2022, 800, 139672.	1.2	20

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19	Heteroleptic luminous ternary europium Complexes: Synthesis, electrochemical and photophysical investigation. <i>Chemical Physics Letters</i> , 2022, 800, 139675.	1.2	20
20	Facile synthesis of UV blocking nano-sized Zinc Oxide and Polymethyl-methacrylate polymer nanocomposite coating material. <i>Nano Structures Nano Objects</i> , 2018, 16, 371-380.	1.9	19
21	Effect of substituted 2,2'-bipyridine derivatives on luminescence characteristics of green emissive terbium complexes: Spectroscopic and optical analysis. <i>Journal of Molecular Structure</i> , 2022, 1265, 133343.	1.8	19
22	Effect of Multiwalled Carbon Nanotubes on the Properties of Poly(methyl methacrylate) in PMMA/CNT Nanocomposites. <i>Macromolecular Symposia</i> , 2014, 341, 75-89.	0.4	17
23	Development of functionalized quantum dot modified poly(vinyl alcohol) membranes for fuel cell applications. <i>RSC Advances</i> , 2016, 6, 47536-47544.	1.7	16
24	Preparation and optoelectronic enhancement of trivalent terbium complexes with fluorinated $\beta$ -diketone and bidentate ancillary ligands. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 12984-12996.	1.1	16
25	Red emissive ternary europium complexes: synthesis, optical, and luminescence characteristics. <i>Luminescence</i> , 2022, 37, 1309-1320.	1.5	16
26	Thermomechanically stable dielectric composites based on poly(ether ketone) and BaTiO <sub>3</sub> with improved electromagnetic shielding properties in X-band. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46413.	1.3	15
27	Industrially viable technique for the preparation of HDPE/fly ash composites at high loading: Thermal, mechanical, and rheological interpretations. <i>Journal of Applied Polymer Science</i> , 2018, 135, 459951.	1.3	14
28	Semi-interpenetrating polymer networks of poly (vinyl alcohol)-functionalized nanocrystals/sulfonated poly (ether ether ketone) (PVA-FNCs/SPEEK) as fuel cell membrane. <i>Materials Today Communications</i> , 2021, 29, 102897.	0.9	9
29	PEGylation and Cell-Penetrating Peptides: Glimpse into the Past and Prospects in the Future. <i>Current Topics in Medicinal Chemistry</i> , 2020, 20, 337-348.	1.0	4
30	MOF: A Heterogeneous Platform for CO <sub>2</sub> Capture and Catalysis. <i>ACS Symposium Series</i> , 0, , 315-354.	0.5	1