

# Rajender Singh Malik

## List of Publications by Year in descending order

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30  
papers

883  
citations

394390

19  
h-index

477281

29  
g-index

31  
all docs

31  
docs citations

31  
times ranked

875  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.2	43
2	Preparation and optical investigation of green luminescent ternary terbium complexes with aromatic $\beta^2$ -diketone. <i>Chemical Physics Letters</i> , 2022, 794, 139495.	2.6	47
3	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.	3.1	40
4	Preparation and optoelectronic enhancement of trivalent terbium complexes with fluorinated $\beta^2$ -diketone and bidentate ancillary ligands. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 12984-12996.	2.2	16
5	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.	2.6	20
6	Heteroleptic luminous ternary europium Complexes: Synthesis, electrochemical and photophysical investigation. <i>Chemical Physics Letters</i> , 2022, 800, 139675.	2.6	20
7	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.	3.9	21
8	Red luminous Eu(III) complexes: Preparation, spectral, optical and theoretical evaluation. <i>Inorganica Chimica Acta</i> , 2022, 539, 121007.	2.4	26
9	Red luminous ternary europium complexes: Optoelectronic and photophysical analysis. <i>Journal of Luminescence</i> , 2022, 248, 118989.	3.1	22
10	Red emissive ternary europium complexes: synthesis, optical, and luminescence characteristics. <i>Luminescence</i> , 2022, 37, 1309-1320.	2.9	16
11	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.	3.1	39
12	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.	3.6	19
13	Synthesis and Opto-electronic features of 5,5'-bis(3,4-(ethylenedioxy)thien-2-yl)-2,2'-bipyridine. <i>Optik</i> , 2021, 248, 167942.	2.9	47
14	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.	1.9	9
15	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.	8.1	20
16	Carbon quantum dots intercalated in polypyrrole (PPy) thin electrodes for accelerated energy storage. <i>Electrochimica Acta</i> , 2020, 364, 137281.	5.2	26
17	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.	2.1	4
18	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.	3.8	27

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19	Thermomechanically stable dielectric composites based on poly(ether ketone) and BaTiO <sub>3</sub> with improved electromagnetic shielding properties in X-band. Journal of Applied Polymer Science, 2018, 135, 46413.	2.6	15
20	Detailed dynamic mechanical analysis of thermomechanically stable melt-processed PEK/MWCNT nanocomposites. Polymer Composites, 2018, 39, 2587-2596.	4.6	24
21	Industrially viable technique for the preparation of HDPE/fly ash composites at high loading: Thermal, mechanical, and rheological interpretations. Journal of Applied Polymer Science, 2018, 135, 459951.	2.6	14
22	Facile synthesis of UV blocking nano-sized Zinc Oxide and Polymethyl-methacrylate polymer nanocomposite coating material. Nano Structures Nano Objects, 2018, 16, 371-380.	3.5	19
23	Development of functionalized quantum dot modified poly(vinyl alcohol) membranes for fuel cell applications. RSC Advances, 2016, 6, 47536-47544.	3.6	16
24	Multi walled carbon nanotubes induced viscoelastic response of polypropylene copolymer nanocomposites: Effect of filler loading on rheological percolation. Polymer Testing, 2016, 55, 1-9.	4.8	37
25	Melt rheology and thermomechanical behavior of poly(methyl methacrylate)/reduced graphene oxide nanocomposites. Polymers for Advanced Technologies, 2015, 26, 1558-1566.	3.2	20
26	Excellent electromagnetic interference shielding and mechanical properties of high loading carbon-nanotubes/polymer composites designed using melt recirculation equipped twin-screw extruder. Carbon, 2015, 89, 308-317.	10.3	160
27	A study of new anhydrous, conducting membranes based on composites of aprotic ionic liquid and cross-linked SPEEK for fuel cell application. Electrochimica Acta, 2015, 152, 352-359.	5.2	68
28	Novel anhydrous composite membranes based on sulfonated poly (ether ketone) and aprotic ionic liquids for high temperature polymer electrolyte membranes for fuel cell applications. International Journal of Hydrogen Energy, 2014, 39, 12826-12834.	7.1	30
29	Effect of Multiwalled Carbon Nanotubes on the Properties of Poly(methyl methacrylate) in PMMA/CNT Nanocomposites. Macromolecular Symposia, 2014, 341, 75-89.	0.7	17
30	MOF: A Heterogeneous Platform for CO <sub>2</sub> Capture and Catalysis. ACS Symposium Series, 0, , 315-354.	0.5	1