

Rabin Bissessur

List of Publications by Year in descending order

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55
papers

1,601
citations

331670

21
h-index

302126

39
g-index

57
all docs

57
docs citations

57
times ranked

1926
citing authors

#	ARTICLE	IF	CITATIONS
1	New intercalation compounds of conjugated polymers. Encapsulation of polyaniline in molybdenum disulfide. <i>Chemistry of Materials</i> , 1993, 5, 595-596.	6.7	175
2	Intercalation of polypyrrole into graphite oxide. <i>Synthetic Metals</i> , 2006, 156, 1023-1027.	3.9	133
3	Encapsulation of Polyanilines into Graphite Oxide. <i>Langmuir</i> , 2006, 22, 1729-1734.	3.5	123
4	Encapsulation of polymers into MoS ₂ and metal to insulator transition in metastable MoS ₂ . <i>Journal of the Chemical Society Chemical Communications</i> , 1993, , 1582.	2.0	121
5	Inclusion of poly(aniline) into MoO ₃ . <i>Journal of the Chemical Society Chemical Communications</i> , 1993, , 687.	2.0	71
6	Conductivity Anisotropy of Polyphosphazene~Montmorillonite Composite Electrolytes. <i>Chemistry of Materials</i> , 1996, 8, 1597-1599.	6.7	69
7	Isolation of nanocrystalline cellulose from tunicates. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 4408-4412.	6.7	63
8	Toward Pillared Layered Metal Sulfides. Intercalation of the Chalcogenide Clusters Co ₆ Q ₈ (PR ₃) ₆ (Q =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	6.7	60
9	Novel alkyl substituted polyanilines/molybdenum disulfide nanocomposites. <i>Materials Chemistry and Physics</i> , 2006, 99, 214-219.	4.0	60
10	Nanoscale Composites Formed by Encapsulation of Polymers in MoS ₂ . From Conjugated Polymers to Plastics. Detection of Metal to Insulator Transition. <i>Molecular Crystals and Liquid Crystals</i> , 1994, 245, 249-254.	0.3	47
11	Nanocomposites based on graphene analogous materials and conducting polymers: a review. <i>Journal of Materials Science</i> , 2020, 55, 6721-6753.	3.7	42
12	Unique properties of $\hat{\pm}$ -NaFeO ₂ : De-intercalation of sodium via hydrolysis and the intercalation of guest molecules into the extract solution. <i>Materials Research Bulletin</i> , 2013, 48, 2678-2686.	5.2	41
13	Towards the scalable isolation of cellulose nanocrystals from tunicates. <i>Scientific Reports</i> , 2020, 10, 19090.	3.3	39
14	Direct insertion of polypyrrole into molybdenum disulfide. <i>Solid State Ionics</i> , 2006, 177, 191-196.	2.7	33
15	Advances in Light-Emitting Dendrimers. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1800711.	3.9	33
16	Novel nanocomposite material consisting of poly[oxymethylene-(oxyethylene)] and molybdenum disulfide. <i>Materials Chemistry and Physics</i> , 2003, 82, 316-320.	4.0	31
17	Effect of magnetic field alignment of cellulose nanocrystals in starch nanocomposites: Physicochemical and mechanical properties. <i>Carbohydrate Polymers</i> , 2020, 247, 116688.	10.2	31
18	Intercalation of tetraazamacrocycles into molybdenum disulfide. <i>Journal of Materials Chemistry</i> , 2003, 13, 44-49.	6.7	29

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19	Decomposition kinetics of nylon-6/graphite and nylon-6/graphite oxide composites. <i>Thermochimica Acta</i> , 2009, 490, 32-36.	2.7	25
20	Toward a New Family of Bifunctional Organoiron Dendrimers: Facile Synthesis, Redox, and Photophysical Fingerprints. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 369-379.	2.2	25
21	Intercalation of a pendant-arm tetraazamacrocyclic into molybdenum disulfide. <i>Chemical Communications</i> , 2001, , 1598-1599.	4.1	23
22	Nanocomposite materials based on chitosan and molybdenum disulfide. <i>Journal of Materials Science</i> , 2012, 47, 5861-5866.	3.7	21
23	In situ polymerization/intercalation of substituted anilines into iron (III) oxychloride. <i>Solid State Ionics</i> , 2010, 181, 933-938.	2.7	20
24	Water recycling efficacies of extremely hygroscopic, antifouling hydrogels. <i>RSC Advances</i> , 2018, 8, 38100-38107.	3.6	20
25	Study of plant and tunicate based nanocrystalline cellulose in hybrid polymeric nanocomposites. <i>Cellulose</i> , 2020, 27, 249-261.	4.9	19
26	Diatoms embedded, self-assembled carriers for dual delivery of chemotherapeutics in cancer cell lines. <i>International Journal of Pharmaceutics</i> , 2020, 573, 118887.	5.2	18
27	Nanomaterials based on molybdenum diselenide. <i>Materials Chemistry and Physics</i> , 2009, 117, 335-337.	4.0	17
28	Exfoliation and reconstruction of SnS ₂ layers: A synthetic route for the preparation of polymer-SnS ₂ nanomaterials. <i>Materials Letters</i> , 2008, 62, 1638-1641.	2.6	16
29	Electrical characterization of conductive polymers and their intercalated nanocomposites with molybdenum disulfide. <i>Materials Letters</i> , 2006, 60, 248-251.	2.6	15
30	Tunable room-temperature soft ferromagnetism in magnetoceramics of organometallic dendrimers. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2268-2281.	5.5	15
31	Quaternized and Thiazole-Functionalized Free Radical-Generating Organometallic Dendrimers as Antimicrobial Platform against Multidrug-Resistant Microorganisms. <i>Macromolecular Bioscience</i> , 2017, 17, 1700020.	4.1	15
32	Polymeric Composites with Embedded Nanocrystalline Cellulose for the Removal of Iron(II) from Contaminated Water. <i>Polymers</i> , 2018, 10, 1377.	4.5	14
33	Synthesis and characterization of halo-substituted polyanilines/VOPO ₄ nanocomposites. <i>Materials Chemistry and Physics</i> , 2007, 106, 256-259.	4.0	13
34	Antimicrobial and Antitumor Screening of Fluorescent 5,7-Dihydroxy-4-Propyl-2H-Chromen-2-one Derivatives with Docking Studies. <i>ChemistrySelect</i> , 2016, 1, 5025-5033.	1.5	12
35	Nanocomposites Derived from Molybdenum Disulfide and an Organoiron Dendrimer. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017, 27, 84-89.	3.7	11
36	Aspirin-Based Organoiron Dendrimers as Promising Anti-Inflammatory, Anticancer, and Antimicrobial Drugs. <i>Biomolecules</i> , 2021, 11, 1568.	4.0	11

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37	New poly[bis-(methoxyethoxyethoxy)phosphazene]â€“MoS ₂ nanocomposite. Solid State Ionics, 2003, 158, 205-209.	2.7	10
38	Encapsulation of polymer electrolytes into hectorite. Applied Clay Science, 2010, 47, 444-447.	5.2	9
39	Inclusion of poly[bis(methoxyethoxyethoxy)phosphazene] into layered graphite oxide. Solid State Ionics, 2009, 180, 216-221.	2.7	8
40	Synthesis and characterization of poly(ethylene glycol amine) electrolytes and nanocomposites based on graphite. European Polymer Journal, 2012, 48, 1525-1537.	5.4	8
41	Nanomaterials Based on Polyanilines and MoSe ₂ . Journal of Inorganic and Organometallic Polymers and Materials, 2014, 24, 219-225.	3.7	8
42	Poly(lactic Acid Cellulose Nanocomposite Films Comprised of Wood and Tunicate CNCs Modified with Tannic Acid and Octadecylamine. Polymers, 2021, 13, 3661.	4.5	8
43	Exfoliated MoS ₂ â€“Polyaniline Nanocomposites: Synthesis and Characterization. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 206-213.	3.7	7
44	An intercalated polyanilineâ€“titanate nanomaterial. Synthetic Metals, 2009, 159, 637-641.	3.9	6
45	A bilayer insertion of poly(oxymethylene-oxymethylene) into vanadium pentoxide xerogel: Preparation, characterization and insertion mechanism. Solid State Ionics, 2012, 227, 1-9.	2.7	6
46	Novel intercalation compound of poly[oligo(ethylene glycol)-oxalate] in molybdenum disulfide. Journal of Materials Science Letters, 2003, 22, 429-431.	0.5	5
47	Nanocomposites Based on Dendrimers and Layered Molybdenum Disulfide. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 4771-4782.	3.7	4
48	Development of Ferromagnetic Materials Containing Co ₂ P, Fe ₂ P Phases from Organometallic Dendrimers Precursors. Molecules, 2021, 26, 6732.	3.8	4
49	Inclusion of a cobalt tetraazamacrocyclic into layered molybdenum disulfide. Materials Chemistry and Physics, 2010, 122, 563-566.	4.0	1
50	Tungsten Disulfide Polythiophene Nanocomposites. , 2019, , 53-68.		1
51	Intercalation of Poly(bis-(methoxyethoxyethoxy)phosphazene) into Lithium Hectorite. , 2016, , .		0
52	Intercalation of Poly[Oligo(Ethylene Glycol) Oxalate] into Vanadium Pentoxide Xerogel: Preparation, Characterization and Conductivity Properties. , 0, , .		0
53	Intercalation of C ₆₀ -Fullerol into Graphite Oxide. , 0, , .		0
54	Exfoliated Nanocomposites Based on Polyaniline and Tungsten Disulfide. , 2016, , .		0

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55	Intercalation of Poly[oligo(ethylene glycol)-oxalate] into Lithium Hectorite. , 2016, , 681-698.		0