

Haradhan Kolya

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36
papers

548
citations

14
h-index

22
g-index

44
ext. papers

682
ext. citations

5.3
avg, IF

4.74
L-index

#	Paper	IF	Citations
36	Oxidation treatment on wood cell walls affects gas permeability and sound absorption capacity. <i>Carbohydrate Polymers</i> , 2022 , 276, 118874	10.3	1
35	Conducting scaffold supported defect rich 3D rGO-CNT/MoS ₂ nanostructure for efficient HER electrocatalyst at variable pH. <i>Composites Part B: Engineering</i> , 2022 , 230, 109489	10	2
34	Polymeric Membranes and Hybrid Techniques for Water Purification Applications. <i>Energy, Environment, and Sustainability</i> , 2022 , 75-91	0.8	
33	Thermal conductivity of graphene-polymer composites 2022 , 245-273		
32	The use of polymer-graphene composites in catalysis 2022 , 537-556		
31	Improved bending strength of Douglas fir (<i>Pseudotsuga menziesii</i>) timber relative to Japanese larch (<i>Larix kaempferi</i> Carr) grown in Korea. <i>International Wood Products Journal</i> , 2021 , 12, 172-177	0.9	0
30	Effective changes in cellulose cell walls, gas permeability and sound absorption capability of <i>Cocos nucifera</i> (palmwood) by steam explosion. <i>Cellulose</i> , 2021 , 28, 5707	5.5	4
29	Recent Advances in Colorimetric Detection of Arsenic Using Metal-Based Nanoparticles. <i>Toxics</i> , 2021 , 9,	4.7	3
28	Hygrothermal treated paulownia hardwood reveals enhanced sound absorption coefficient: An effective and facile approach. <i>Applied Acoustics</i> , 2021 , 174, 107758	3.1	14
27	Polymer nanocomposites for energy-related applications 2021 , 215-248		
26	Green Synthesis of Ag-Au Bimetallic Nanocomposites Using Waste Tea Leaves Extract for Degradation Congo Red and 4-Nitrophenol. <i>Sustainability</i> , 2021 , 13, 3318	3.6	5
25	Polyvinyl acetate/reduced graphene oxide-poly (diallyl dimethylammonium chloride) composite coated wood surface reveals improved hydrophobicity. <i>Progress in Organic Coatings</i> , 2021 , 156, 106253	4.8	6
24	Steam exploded wood cell walls reveals improved gas permeability and sound absorption capability. <i>Applied Acoustics</i> , 2021 , 179, 108049	3.1	6
23	High acoustic absorption properties of hackberry compared to nine different hardwood species: A novel finding for acoustical engineers. <i>Applied Acoustics</i> , 2020 , 169, 107475	3.1	13
22	Colorimetric/naked eye detection of arsenic ions in aqueous medium by mango flower extract: A facile and novel approach. <i>Applied Surface Science</i> , 2020 , 513, 145760	6.7	6
21	Bioinspired silver nanoparticles/reduced graphene oxide nanocomposites for catalytic reduction of 4-nitrophenol, organic dyes and act as energy storage electrode material. <i>Composites Part B: Engineering</i> , 2019 , 173, 106924	10	31
20	Selective Lead(II) Adsorption and Flocculation Characteristics of the Grafted Sodium Alginate: A Comparative Study. <i>Journal of Polymers and the Environment</i> , 2018 , 26, 926-937	4.5	8

19	Selective adsorption of Pb (II) ions by amylopectin-g-poly (acrylamide-co-acrylic acid): A bio-degradable graft copolymer. <i>International Journal of Biological Macromolecules</i> , 2017 , 97, 585-597	7.9	15
18	Study of congo red dye removal from its aqueous solution using sulfated acrylamide and N, N-dimethyl acrylamide grafted amylopectin. <i>Journal of Water Process Engineering</i> , 2017 , 18, 7-19	6.7	24
17	Green synthesis of Ag-Au bimetallic nanocomposites using a biodegradable synthetic graft copolymer; hydroxyethyl starch-g-poly (acrylamide-co-acrylic acid) and evaluation of their catalytic activities. <i>European Polymer Journal</i> , 2017 , 87, 113-123	5.2	25
16	Novel Biodegradable Flocculating Agents Based on Grafted Starch Family for the Industrial Effluent Treatment. <i>Journal of Polymers and the Environment</i> , 2017 , 25, 408-418	4.5	17
15	Sulfated katira gum-graft-poly(N-vinyl imidazole): A useful scavenger of mercury(II) ions. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	5
14	Flocculation and Color Removal Performances of Polyacrylamide and Poly N, N-Dimethylacrylamide Grafted Starch: A Comparative Study. <i>American Journal of Polymer Science and Technology</i> , 2017 , 3, 1	3	4
13	Amylopectin-g-poly(methylacrylate-co-sodium acrylate): An efficient Cd(II) binder. <i>International Journal of Biological Macromolecules</i> , 2016 , 91, 934-45	7.9	8
12	Preparation of gold nanoparticles by a novel biodegradable graft copolymer sodium alginate-g-poly (N,N-dimethylacrylamide-co-acrylic acid) with anti micro bacterial application. <i>European Polymer Journal</i> , 2015 , 66, 139-148	5.2	23
11	Starch based biodegradable graft copolymer for the preparation of silver nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2015 , 81, 83-90	7.9	14
10	Metal complexation studies of amylopectin-graft-poly[(N,N-dimethylacrylamide)-co-(acrylic acid)]: a biodegradable synthetic graft copolymer. <i>Polymer International</i> , 2015 , 64, 1336-1351	3.3	13
9	Green synthesis, characterization and antibacterial activity of gold nanoparticles using hydroxyethyl starch-g-poly (methylacrylate-co-sodium acrylate): A novel biodegradable graft copolymer. <i>Journal of Molecular Liquids</i> , 2015 , 212, 259-265	6	16
8	Starch-g-Poly-(N, N-dimethyl acrylamide-co-acrylic acid): an efficient Cr (VI) ion binder. <i>International Journal of Biological Macromolecules</i> , 2015 , 72, 560-8	7.9	26
7	Green synthesis of silver nanoparticles with antimicrobial and azo dye (Congo red) degradation properties using <i>Amaranthus gangeticus</i> Linn leaf extract. <i>Journal of Analytical Science and Technology</i> , 2015 , 6,	3.4	87
6	Biodegradable flocculants based on polyacrylamide and poly(N,N-dimethylacrylamide) grafted amylopectin. <i>International Journal of Biological Macromolecules</i> , 2014 , 70, 26-36	7.9	25
5	Synthesis of Starch-g-Poly-(N-methylacrylamide-co-acrylic acid) and its application for the removal of mercury (II) from aqueous solution by adsorption. <i>European Polymer Journal</i> , 2014 , 58, 1-10	5.2	46
4	Grafted polysaccharides based on acrylamide and N,N-dimethylacrylamide: Preparation and investigation of their flocculation performances. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 2786-2795 ⁹	2.9	23
3	Preparation, investigation of metal ion removal and flocculation performances of grafted hydroxyethyl starch. <i>International Journal of Biological Macromolecules</i> , 2013 , 62, 557-64	7.9	26
2	Hydroxyethyl Starch-g-Poly-(N,N-dimethylacrylamide-co-acrylic acid): An efficient dye removing agent. <i>European Polymer Journal</i> , 2013 , 49, 4265-4275	5.2	42

1	Effective changes in softwood cell walls, gas permeability and sound absorption capability of Larix kaempferi (larch) by steam explosion. <i>Wood Material Science and Engineering</i> ,1-9	1.9	4
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