

# Shagufta Kamal

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

2,147  
citations

304602

22  
h-index

233338

45  
g-index

53  
all docs

53  
docs citations

53  
times ranked

2318  
citing authors

#	ARTICLE	IF	CITATIONS
1	Green synthesis of iron oxide nanoparticles using pomegranate seeds extract and photocatalytic activity evaluation for the degradation of textile dye. <i>Journal of Materials Research and Technology</i> , 2019, 8, 6115-6124.	2.6	232
2	Green and eco-friendly synthesis of cobalt-oxide nanoparticle: Characterization and photo-catalytic activity. <i>Advanced Powder Technology</i> , 2017, 28, 2035-2043.	2.0	198
3	Recent trends and valorization of immobilization strategies and ligninolytic enzymes by industrial biotechnology. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 101, 56-66.	1.8	195
4	Role of Interleukin-6 in Development of Insulin Resistance and Type 2 Diabetes Mellitus. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2017, 27, 229-236.	0.4	187
5	Cu nanoparticles synthesis using biological molecule of <i>P. granatum</i> seeds extract as reducing and capping agent: Growth mechanism and photo-catalytic activity. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 1203-1210.	3.6	134
6	Nickel nanoparticle synthesis using <i>Camellia Sinensis</i> as reducing and capping agent: Growth mechanism and photo-catalytic activity evaluation. <i>International Journal of Biological Macromolecules</i> , 2017, 103, 783-790.	3.6	126
7	Starch based polyurethanes: A critical review updating recent literature. <i>Carbohydrate Polymers</i> , 2015, 134, 784-798.	5.1	123
8	By-product identification and phytotoxicity of biodegraded Direct Yellow 4 dye. <i>Chemosphere</i> , 2017, 169, 474-484.	4.2	105
9	Effect of Fe and Bi doping on LaCoO <sub>3</sub> structural, magnetic, electric and catalytic properties. <i>Journal of Materials Research and Technology</i> , 2019, 8, 4831-4842.	2.6	71
10	Graphene oxide nanocomposite with Co and Fe doped LaCrO <sub>3</sub> perovskite active under solar light irradiation for the enhanced degradation of crystal violet dye. <i>Journal of Molecular Liquids</i> , 2021, 322, 114895.	2.3	70
11	Improvement of Catalytic Efficiency, Thermo-stability and Dye Decolorization Capability of <i>Pleurotus ostreatus</i> BL-02 laccase by Hydrophobic Sol Gel Entrapment. <i>Chemistry Central Journal</i> , 2012, 6, 110.	2.6	61
12	Structural, Dielectric and Magnetic Studies of Perovskite [Gd <sub>1-x</sub> M <sub>x</sub> CrO <sub>3</sub> (M = La, Co, Bi)] Nanoparticles: Photocatalytic Degradation of Dyes. <i>Zeitschrift Fur Physikalische Chemie</i> , 2019, 233, 1431-1445.	1.4	54
13	Chemical Composition and in-Vitro Evaluation of the Antimicrobial and Antioxidant Activities of Essential Oils Extracted from Seven Eucalyptus Species. <i>Molecules</i> , 2015, 20, 20487-20498.	1.7	53
14	La <sub>1-x</sub> Gd <sub>x</sub> Cr <sub>1-y</sub> Ni <sub>y</sub> O <sub>3</sub> perovskite nanoparticles synthesis by micro-emulsion route: Dielectric, magnetic and photocatalytic properties evaluation. <i>Ceramics International</i> , 2021, 47, 5822-5831.	2.3	46
15	Sustainable ultrasonic dyeing of wool using coconut coir extract. <i>Textile Reseach Journal</i> , 2020, 90, 744-756.	1.1	30
16	Degradation and detoxification of Navy Blue CBF dye by native bacterial communities: an environmental bioremedial approach. <i>Desalination and Water Treatment</i> , 2016, 57, 24070-24082.	1.0	28
17	Gd and Co-substituted LaNiO <sub>3</sub> and their nanocomposites with r-GO for photocatalytic applications. <i>Diamond and Related Materials</i> , 2020, 110, 108119.	1.8	28
18	Design, Synthesis, Antimicrobial Evaluation, and Laccase Catalysis Effect of Novel Benzofuran-oxadiazole and Benzofuran-Triazole Hybrids. <i>Journal of Heterocyclic Chemistry</i> , 2019, 56, 2839-2852.	1.4	26

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19	Synthesis of alkyl/aryl linked binuclear silver(I)-N-Heterocyclic carbene complexes and evaluation of their antimicrobial, hemolytic and thrombolytic potential. <i>Inorganic Chemistry Communication</i> , 2020, 111, 107670.	1.8	26
20	Biotechnological valorization of proteases: From hyperproduction to industrial exploitationâ€”A review. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 511-522.	1.3	24
21	Energy band gap tuning of LaNiO <sub>3</sub> by Gd, Fe and Co ions doping to enhance solar light absorption for efficient photocatalytic degradation of RhB dye: A mechanistic approach. <i>Journal of Molecular Liquids</i> , 2021, 343, 117581.	2.3	24
22	The electrochemical, dielectric, and ferroelectric properties of Gd and Fe doped LaNiO <sub>3</sub> with an efficient solar-light driven catalytic activity to oxidize malachite green dye. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 568-583.	5.0	24
23	Cooperativity of covalent attachment and ion exchange on alcalase immobilization using glutaraldehyde chemistry: Enzyme stabilization and improved proteolytic activity. <i>Biotechnology Progress</i> , 2019, 35, e2768.	1.3	22
24	Effect of dopant on ferroelectric, dielectric and photocatalytic properties of chromium-doped cobalt perovskite prepared via micro-emulsion route. <i>Results in Physics</i> , 2021, 20, 103726.	2.0	22
25	Alkaline Protease Production Using Response Surface Methodology, Characterization and Industrial Exploitation of Alkaline Protease of <i>Bacillus subtilis</i> sp.. <i>Catalysis Letters</i> , 2017, 147, 1204-1213.	1.4	21
26	Protein engineering: Regulatory perspectives of stearoyl CoA desaturase. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 692-699.	3.6	20
27	Synthesis, anticancer, and computational studies of 1, 3, 4-oxadiazoleâ€”purine derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 2782-2794.	1.4	20
28	Biochemical investigation of gender-specific association between insulin resistance and inflammatory biomarkers in types 2 diabetic patients. <i>Biomedicine and Pharmacotherapy</i> , 2018, 106, 285-291.	2.5	19
29	Further Stabilization of Alcalase Immobilized on Glyoxyl Supports: Amination Plus Modification with Glutaraldehyde. <i>Molecules</i> , 2018, 23, 3188.	1.7	17
30	Versatile role of sirtuins in metabolic disorders: From modulation of mitochondrial function to therapeutic interventions. <i>Journal of Biochemical and Molecular Toxicology</i> , 2022, 36, e23047.	1.4	17
31	Ce and Fe doped LaNiO <sub>3</sub> synthesized by micro-emulsion route: Effect of doping on visible light absorption for photocatalytic application. <i>Materials Research Express</i> , 2021, 8, 085009.	0.8	15
32	Band gap tuning by Gd and Fe doping of LaNiO <sub>3</sub> to boost solar light harvesting for photocatalytic application: A mechanistic approach. <i>Optical Materials</i> , 2022, 124, 111962.	1.7	15
33	The secrets of telomerase: Retrospective analysis and future prospects. <i>Life Sciences</i> , 2020, 257, 118115.	2.0	11
34	Synthesis and characterization of magnetically separable La <sub>1-x</sub> Bi <sub>x</sub> Cr <sub>1-y</sub> Fe <sub>y</sub> O <sub>3</sub> and photocatalytic activity evaluation under visible light. <i>Zeitschrift Fur Physikalische Chemie</i> , 2021, 235, 1413-1431.	1.4	11
35	Biodegradation of synthetic orange G dye by <i>Pleurotus sojar-caju</i> with <i>Punica granatum</i> peel as natural mediator. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 22, 101420.	1.5	10
36	Exposure of Environmental Contaminants and Development of Neurological Disorders. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2021, 31, 35-53.	0.4	8

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37	Recent Trends in the Development of Novel Catalysts for Asymmetric Michael Reaction. <i>Current Organic Chemistry</i> , 2020, 24, 1397-1458.	0.9	7
38	Algae-Based Biologically Active Compounds. , 2017, , 155-271.		6
39	Green synthesis of iron nanoparticles and photocatalytic activity evaluation for the degradation of methylene blue dye. <i>Zeitschrift Fur Physikalische Chemie</i> , 2022, 236, 1191-1201.	1.4	6
40	Extraction and quantification of phenolic compounds from <i>Prunus armeniaca</i> seed and their role in biotransformation of xenobiotic compounds. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 392-399.	1.2	5
41	Biotechnology: An Eco-friendly Tool of Nature for Textile Industries. <i>Textile Science and Clothing Technology</i> , 2020, , 85-114.	0.4	5
42	Micro-emulsion synthesis of $\text{La}_{1-x}\text{Cr}_x\text{FeO}_3$ nanoparticles: effect of Cr doping on ferroelectric, dielectric and photocatalytic properties. <i>International Journal of Chemical Reactor Engineering</i> , 2020, .	0.6	4
43	Anti-diabetic activity of aqueous extract of <i>Ipomoea batatas</i> L. in alloxan induced diabetic Wistar rats and its effects on biochemical parameters in diabetic rats. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2018, 31, 1539-1548.	0.2	3
44	Enhanced production of Lovastatin by filamentous fungi through solid state fermentation. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2018, 31, 1583-1589.	0.2	3
45	Mutagenesis and Immobilization of ChitB-Protease for Induced De-staining and Goat Skin Dehairing Potentialities. <i>Catalysis Letters</i> , 2022, 152, 12-27.	1.4	2
46	Biological Activities of In-House Developed <i>Haloxylon griffithii</i> Plant Extract Formulations. <i>Plants</i> , 2021, 10, 1427.	1.6	2
47	Nanomaterials as Source of Environmental Contaminants: From Exposure to Preventive Interventions. <i>Emerging Contaminants and Associated Treatment Technologies</i> , 2021, , 355-400.	0.4	2
48	Potential of kaolinite as adsorbent to remove anionic surfactant from simulated industrial wastewater. , 0, 88, 85-92.		2
49	Synthesis of Ibuprofen Derivatives with Improved Antibacterial Activity. <i>Asian Journal of Chemistry</i> , 2015, 27, 3259-3262.	0.1	1
50	Blends of Algae With Natural Polymers. , 2017, , 371-413.		1
51	Facile synthesis, antibacterial and protease inhibition studies of $\beta$ -amino alcohols prepared via ring opening of epoxides.. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2022, 35, 177-182.	0.2	0
52	Role of disinfectants in green chemistry. , 2022, , 209-235.		0