

Syed Ashraf

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

8,394
citations

71102

41
h-index

46799

89
g-index

99
all docs

99
docs citations

99
times ranked

13731
citing authors

#	ARTICLE	IF	CITATIONS
1	Immune evasion in cancer: Mechanistic basis and therapeutic strategies. <i>Seminars in Cancer Biology</i> , 2015, 35, S185-S198.	9.6	1,122
2	Fundamental principles and application of heterogeneous photocatalytic degradation of dyes in solution. <i>Chemical Engineering Journal</i> , 2009, 151, 10-18.	12.7	795
3	Broad targeting of resistance to apoptosis in cancer. <i>Seminars in Cancer Biology</i> , 2015, 35, S78-S103.	9.6	535
4	Sustained proliferation in cancer: Mechanisms and novel therapeutic targets. <i>Seminars in Cancer Biology</i> , 2015, 35, S25-S54.	9.6	468
5	Tissue invasion and metastasis: Molecular, biological and clinical perspectives. <i>Seminars in Cancer Biology</i> , 2015, 35, S244-S275.	9.6	408
6	Broad targeting of angiogenesis for cancer prevention and therapy. <i>Seminars in Cancer Biology</i> , 2015, 35, S224-S243.	9.6	375
7	Genomic instability in human cancer: Molecular insights and opportunities for therapeutic attack and prevention through diet and nutrition. <i>Seminars in Cancer Biology</i> , 2015, 35, S5-S24.	9.6	231
8	Radiation induced degradation of dyes—An overview. <i>Journal of Hazardous Materials</i> , 2009, 166, 6-16.	12.4	228
9	Dysregulated metabolism contributes to oncogenesis. <i>Seminars in Cancer Biology</i> , 2015, 35, S129-S150.	9.6	225
10	Designing a broad-spectrum integrative approach for cancer prevention and treatment. <i>Seminars in Cancer Biology</i> , 2015, 35, S276-S304.	9.6	220
11	S-Thiolation of Individual Human Neutrophil Proteins Including Actin by Stimulation of the Respiratory Burst: Evidence against a Role for Glutathione Disulfide. <i>Archives of Biochemistry and Biophysics</i> , 1994, 310, 273-281.	3.0	212
12	Laccases and peroxidases: The smart, greener and futuristic biocatalytic tools to mitigate recalcitrant emerging pollutants. <i>Science of the Total Environment</i> , 2020, 714, 136572.	8.0	200
13	Survey of recent trends in biochemically assisted degradation of dyes. <i>Chemical Engineering Journal</i> , 2012, 209, 520-530.	12.7	180
14	Degradation studies of Rhodamine B in the presence of UV/H ₂ O ₂ . <i>Desalination</i> , 2009, 239, 159-166.	8.2	174
15	Saffron: A potential candidate for a novel anticancer drug against hepatocellular carcinoma. <i>Hepatology</i> , 2011, 54, 857-867.	7.3	159
16	Biocatalytic degradation/redefining the removal-fate of pharmaceutically active compounds and antibiotics in the aquatic environment. <i>Science of the Total Environment</i> , 2019, 691, 1190-1211.	8.0	150
17	Degradation of Methyl Red using Fenton's reagent and the effect of various salts. <i>Dyes and Pigments</i> , 2006, 69, 74-78.	3.7	126
18	Single atom modification (O ⁺ S) of tRNA confers ribosome binding. <i>Rna</i> , 1999, 5, 188-194.	3.5	119

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19	Identification of an abundant S-thiolated rat liver protein as carbonic anhydrase III; characterization of S-thiolation and dethiolation reactions. Archives of Biochemistry and Biophysics, 1991, 284, 270-278.	3.0	111
20	Evasion of anti-growth signaling: A key step in tumorigenesis and potential target for treatment and prophylaxis by natural compounds. Seminars in Cancer Biology, 2015, 35, S55-S77.	9.6	95
21	A multi-targeted approach to suppress tumor-promoting inflammation. Seminars in Cancer Biology, 2015, 35, S151-S184.	9.6	95
22	Oxidoreductases for the remediation of organic pollutants in water – a critical review. Critical Reviews in Biotechnology, 2018, 38, 971-988.	9.0	81
23	Comparative efficiencies of the degradation of Crystal Violet using UV/hydrogen peroxide and Fenton's reagent. Dyes and Pigments, 2007, 74, 283-287.	3.7	79
24	Antioxidant and anticancer activities of Trigonella foenum-graecum, Cassia acutifolia and Rhazya stricta. BMC Complementary and Alternative Medicine, 2018, 18, 240.	3.7	77
25	Epoxidation, hydroxylation, acylation and urethanation of Linum usitatissimum seed oil and its derivatives. European Journal of Lipid Science and Technology, 2007, 109, 134-146.	1.5	67
26	Nigella sativa Extract as a Potent Antioxidant for Petrochemical-Induced Oxidative Stress. Journal of Chromatographic Science, 2011, 49, 321-326.	1.4	66
27	Photolytic oxidation of Coomassie Brilliant Blue with HO. Dyes and Pigments, 2005, 66, 197-200.	3.7	63
28	Effect of pH on Thermal- and Chemical-Induced Denaturation of GFP. Applied Biochemistry and Biotechnology, 2005, 126, 149-156.	2.9	63
29	Comparative decoloration study of Neutral Red by different oxidative processes. Dyes and Pigments, 2007, 72, 367-371.	3.7	58
30	Efficient microbial degradation of Toluidine Blue dye by Brevibacillus sp.. Dyes and Pigments, 2007, 75, 395-400.	3.7	58
31	Soybean peroxidase-mediated degradation of an azo dye – a detailed mechanistic study. BMC Biochemistry, 2013, 14, 35.	4.4	56
32	Detoxification and degradation of sulfamethoxazole by soybean peroxidase and UV + H ₂ O ₂ remediation approaches. Chemical Engineering Journal, 2018, 352, 450-458.	12.7	54
33	Harnessing the biocatalytic attributes and applied perspectives of nanoengineered laccases – A review. International Journal of Biological Macromolecules, 2021, 166, 352-373.	7.5	52
34	Mechanistic study of a diazo dye degradation by Soybean Peroxidase. Chemistry Central Journal, 2013, 7, 93.	2.6	51
35	Differential enzymatic degradation of thiazole pollutants by two different peroxidases – A comparative study. Chemical Engineering Journal, 2016, 303, 529-538.	12.7	51
36	An Integrated Professional and Transferable Skills Course for Undergraduate Chemistry Students. Journal of Chemical Education, 2011, 88, 44-48.	2.3	49

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37	Therapeutic targeting of replicative immortality. <i>Seminars in Cancer Biology</i> , 2015, 35, S104-S128.	9.6	49
38	The uridine in 5'-terminal 3'-terminal Contributions to tRNA-ribosomal binding. <i>Rna</i> , 1999, 5, 503-511.	3.5	47
39	Tuning the spectral, thermal and fluorescent properties of conjugated polymers via random copolymerization of hole transporting monomers. <i>RSC Advances</i> , 2017, 7, 32757-32768.	3.6	47
40	Highly Efficient Photocatalytic Degradation of Amido Black 10B Dye Using Polycarbazole-Decorated TiO ₂ Nanohybrids. <i>ACS Omega</i> , 2017, 2, 8354-8365.	3.5	46
41	Photocatalytic decoloration of Coomassie Brilliant Blue with titanium oxide. <i>Dyes and Pigments</i> , 2007, 72, 353-356.	3.7	45
42	Degradation and kinetics of H ₂ O ₂ assisted photochemical oxidation of Remazol Turquoise Blue. <i>Chemical Engineering Journal</i> , 2012, 200-202, 373-379.	12.7	40
43	Sonochemical Facile Synthesis of Self-Assembled Poly(<i>o</i> -phenylenediamine)/Cobalt Ferrite Nanohybrid with Enhanced Photocatalytic Activity. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 6300-6309.	3.7	40
44	Prototype Amperometric Biosensor for Sialic Acid Determination. <i>Analytical Chemistry</i> , 2007, 79, 1668-1674.	6.5	39
45	A novel multi-affinity tag system to produce high levels of soluble and biotinylated proteins in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2004, 33, 238-245.	1.3	38
46	Photolytic oxidation of Safranin-O with H ₂ O ₂ . <i>Dyes and Pigments</i> , 2007, 72, 349-352.	3.7	38
47	Liquid chromatography tandem mass spectrometry analysis of photodegradation of a diazo compound: A mechanistic study. <i>Chemosphere</i> , 2010, 80, 422-427.	8.2	38
48	Oxylradical-induced GFP damage and loss of fluorescence. <i>International Journal of Biological Macromolecules</i> , 2008, 43, 182-186.	7.5	37
49	Enzymatic pretreatment of microalgae cells for enhanced extraction of proteins. <i>Engineering in Life Sciences</i> , 2017, 17, 175-185.	3.6	35
50	Clinical diagnostic tools for vitamin D assessment. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 180, 105-117.	2.5	35
51	Denaturation studies reveal significant differences between GFP and blue fluorescent protein. <i>International Journal of Biological Macromolecules</i> , 2009, 45, 236-241.	7.5	34
52	Robust nanocarriers to engineer nanobiocatalysts for bioprocessing applications. <i>Advances in Colloid and Interface Science</i> , 2021, 293, 102438.	14.7	34
53	Role of Modified Nucleosides of Yeast tRNA ^{Phe} in Ribosomal Binding. <i>Cell Biochemistry and Biophysics</i> , 2000, 33, 241-252.	1.8	32
54	A comparative study of Neutral Red decoloration by photo-Fenton and photocatalytic processes. <i>Dyes and Pigments</i> , 2008, 76, 332-337.	3.7	32

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55	Development of novel conducting composites of linseed-oil-based poly(urethane amide) with nanostructured poly(1-naphthylamine). <i>Polymer International</i> , 2007, 56, 1173-1181.	3.1	28
56	LC-MSMS based screening of emerging pollutant degradation by different peroxidases. <i>BMC Biotechnology</i> , 2019, 19, 83.	3.3	28
57	Challenges and Recent Advances in Enzyme-Mediated Wastewater Remediation—A Review. <i>Nanomaterials</i> , 2021, 11, 3124.	4.1	28
58	Nanostructured materials as a host matrix to develop robust peroxidases-based nanobiocatalytic systems. <i>International Journal of Biological Macromolecules</i> , 2020, 162, 1906-1923.	7.5	24
59	Enzyme-Loaded Flower-Shaped Nanomaterials: A Versatile Platform with Biosensing, Biocatalytic, and Environmental Promise. <i>Nanomaterials</i> , 2021, 11, 1460.	4.1	24
60	Differential Degradation and Detoxification of an Aromatic Pollutant by Two Different Peroxidases. <i>Biomolecules</i> , 2017, 7, 31.	4.0	22
61	Comparative Degradation of a Thiazole Pollutant by an Advanced Oxidation Process and an Enzymatic Approach. <i>Biomolecules</i> , 2017, 7, 64.	4.0	22
62	High-Throughput Screen for Inhibitors of 1-Deoxy-D-Xylulose 5-Phosphate Reductoisomerase by Surrogate Ligand Competition. <i>Journal of Biomolecular Screening</i> , 2003, 8, 332-339.	2.6	21
63	Intermolecular interactions between cucurbit[7]uril and pilocarpine. <i>International Journal of Pharmaceutics</i> , 2014, 460, 53-62.	5.2	20
64	Comparative Evaluation of SFE and Solvent Extraction Methods on the Yield and Composition of Black Seeds (<i>Nigella Sativa</i>). <i>Journal of Liquid Chromatography and Related Technologies</i> , 2007, 30, 2545-2555.	1.0	19
65	Determination of diclofenac concentrations in human plasma using a sensitive gas chromatography mass spectrometry method. <i>Chemistry Central Journal</i> , 2016, 10, 52.	2.6	19
66	Alumina-Incorporated Polyesteramide from Non-Edible Seed Oils. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006, 43, 1409-1419.	2.2	17
67	Effect of Enzymatic pre-treatment of microalgae extracts on their anti-tumor activity. <i>Biomedical Journal</i> , 2017, 40, 339-346.	3.1	16
68	Oxidoreductases as a versatile biocatalytic tool to tackle pollutants for clean environment – a review. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 420-435.	3.2	16
69	Kinetics and optimization of photolytic decoloration of carmine by UV/H ₂ O ₂ . <i>Dyes and Pigments</i> , 2007, 75, 194-198.	3.7	15
70	Bioremediation of various aromatic and emerging pollutants by <i>Bacillus cereus</i> sp. isolated from petroleum sludge. <i>Water Science and Technology</i> , 2021, 83, 1535-1547.	2.5	15
71	Immobilized Soybean Peroxidase Hybrid Biocatalysts for Efficient Degradation of Various Emerging Pollutants. <i>Biomolecules</i> , 2021, 11, 904.	4.0	15
72	Expanding the Biocatalytic Scope of Enzyme-Loaded Polymeric Hydrogels. <i>Gels</i> , 2021, 7, 194.	4.5	15

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73	Estrogenic Activities of Ten Medicinal Herbs from the Middle East. <i>Journal of Chromatographic Science</i> , 2013, 51, 33-39.	1.4	14
74	Efficient degradation of various emerging pollutants by wild type and evolved fungal DyP4 peroxidases. <i>PLoS ONE</i> , 2022, 17, e0262492.	2.5	13
75	Significantly Elevated Levels of Plasma Nicotinamide, Pyridoxal, and Pyridoxamine Phosphate Levels in Obese Emirati Population: A Cross-Sectional Study. <i>Molecules</i> , 2020, 25, 3932.	3.8	12
76	Laccase-loaded functionalized graphene oxideâassemblies with improved biocatalytic properties and decolorization performance. <i>Environmental Technology and Innovation</i> , 2021, 24, 101884.	6.1	12
77	Raising environmental awareness through applied biochemistry laboratory experiments. <i>Biochemistry and Molecular Biology Education</i> , 2013, 41, 341-347.	1.2	11
78	Application of a new vitamin D blood test on the Emirati population. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 180, 118-128.	2.5	10
79	Orientation of the tRNA anticodon in the ribosomal P-site: Quantitative footprinting with U33-modified, anticodon stem and loop domains. <i>Rna</i> , 1999, 5, 1191-1199.	3.5	9
80	Expression, purification, and characterization of biologically active full-length Mason-Pfizer monkey virus (MPMV) Pr78Gag. <i>Scientific Reports</i> , 2018, 8, 11793.	3.3	9
81	Identification and characterization of peptide probes directed against PKCÎ± conformations. <i>Chemical Biology and Drug Design</i> , 2003, 61, 263-273.	1.1	8
82	A hands-on approach to teaching environmental awareness and pollutant remediation to undergraduate chemistry students. <i>Research in Science and Technological Education</i> , 2012, 30, 173-184.	2.5	8
83	Comparative degradation studies of Malachite Green and Thiazole Yellow G and their binary mixture using UV/H ₂ O ₂ . <i>Desalination and Water Treatment</i> , 2016, 57, 8336-8342.	1.0	6
84	An innovative bioanalytical research project course to train undergraduate students on liquid chromatographyâmass spectrometry. <i>Biochemistry and Molecular Biology Education</i> , 2019, 47, 228-238.	1.2	6
85	Analysis of illicit glucocorticoid levels in camel hair using competitive ELISA â Comparison with LCâMS/MS. <i>Drug Testing and Analysis</i> , 2020, 12, 458-464.	2.6	5
86	Efficient Degradation of 2-Mercaptobenzothiazole and Other Emerging Pollutants by Recombinant Bacterial Dye-Decolorizing Peroxidases. <i>Biomolecules</i> , 2021, 11, 656.	4.0	4
87	A Non-Invasive Hair Test to Determine Vitamin D3 Levels. <i>Molecules</i> , 2021, 26, 3269.	3.8	4
88	Laccase-Mediated Bioremediation of Dye-Based Hazardous Pollutants. <i>Environmental Chemistry for A Sustainable World</i> , 2020, , 137-160.	0.5	4
89	Broadening the Scope of Biocatalysis Engineering by Tailoring Enzyme Microenvironment: A Review. <i>Catalysis Letters</i> , 2023, 153, 1227-1239.	2.6	4
90	Protein S-thiolation and depletion of intracellular glutathione in skin fibroblasts exposed to various sources of oxidative stress. <i>Environmental Toxicology and Pharmacology</i> , 2006, 22, 75-79.	4.0	2

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91	Never let a crisis go to waste: Repurposing independent research projects to enhance students' critical thinking skills. Biochemistry and Molecular Biology Education, 2020, 48, 464-466.	1.2	2
92	Clean-green technologies for removal of emerging contaminants from industrial effluents. , 2021, , 125-145.		2
93	Characterization of high-affinity protein D binding sites on the surface of rat epididymal spermatozoa. IUBMB Life, 1996, 40, 1003-1010.	3.4	1
94	Borrowing a little from research to enhance undergraduate teaching. Procedia, Social and Behavioral Sciences, 2010, 2, 5507-5511.	0.5	1
95	HPLC estimation of iothalamate to measure glomerular filtration rate in humans. Chemistry Central Journal, 2016, 10, 80.	2.6	1
96	Draft Genome Sequence of Bacillus cereus Strain UAEU-H3K6M1, a Bacterium with Potential Bioremediation Abilities, Isolated from Petroleum Sludge. Microbiology Resource Announcements, 2018, 7, .	0.6	1