

Syed Ashraf

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

8,394
citations

70961

41
h-index

46693

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.	4.3	1,122
2	Fundamental principles and application of heterogeneous photocatalytic degradation of dyes in solution. <i>Chemical Engineering Journal</i> , 2009, 151, 10-18.	6.6	795
3	Broad targeting of resistance to apoptosis in cancer. <i>Seminars in Cancer Biology</i> , 2015, 35, S78-S103.	4.3	535
4	Sustained proliferation in cancer: Mechanisms and novel therapeutic targets. <i>Seminars in Cancer Biology</i> , 2015, 35, S25-S54.	4.3	468
5	Tissue invasion and metastasis: Molecular, biological and clinical perspectives. <i>Seminars in Cancer Biology</i> , 2015, 35, S244-S275.	4.3	408
6	Broad targeting of angiogenesis for cancer prevention and therapy. <i>Seminars in Cancer Biology</i> , 2015, 35, S224-S243.	4.3	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.	4.3	231
8	Radiation induced degradation of dyes – An overview. <i>Journal of Hazardous Materials</i> , 2009, 166, 6-16.	6.5	228
9	Dysregulated metabolism contributes to oncogenesis. <i>Seminars in Cancer Biology</i> , 2015, 35, S129-S150.	4.3	225
10	Designing a broad-spectrum integrative approach for cancer prevention and treatment. <i>Seminars in Cancer Biology</i> , 2015, 35, S276-S304.	4.3	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.	1.4	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.	3.9	200
13	Survey of recent trends in biochemically assisted degradation of dyes. <i>Chemical Engineering Journal</i> , 2012, 209, 520-530.	6.6	180
14	Degradation studies of Rhodamine B in the presence of UV/H ₂ O ₂ . <i>Desalination</i> , 2009, 239, 159-166.	4.0	174
15	Saffron: A potential candidate for a novel anticancer drug against hepatocellular carcinoma. <i>Hepatology</i> , 2011, 54, 857-867.	3.6	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.	3.9	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.	2.0	126
18	Single atom modification (O ⁺ S) of tRNA confers ribosome binding. <i>Rna</i> , 1999, 5, 188-194.	1.6	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. <i>Archives of Biochemistry and Biophysics</i> , 1991, 284, 270-278.	1.4	111
20	Evasion of anti-growth signaling: A key step in tumorigenesis and potential target for treatment and prophylaxis by natural compounds. <i>Seminars in Cancer Biology</i> , 2015, 35, S55-S77.	4.3	95
21	A multi-targeted approach to suppress tumor-promoting inflammation. <i>Seminars in Cancer Biology</i> , 2015, 35, S151-S184.	4.3	95
22	Oxidoreductases for the remediation of organic pollutants in water – a critical review. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 971-988.	5.1	81
23	Comparative efficiencies of the degradation of Crystal Violet using UV/hydrogen peroxide and Fenton's reagent. <i>Dyes and Pigments</i> , 2007, 74, 283-287.	2.0	79
24	Antioxidant and anticancer activities of <i>Trigonella foenum-graecum</i> , <i>Cassia acutifolia</i> and <i>Rhazya stricta</i> . <i>BMC Complementary and Alternative Medicine</i> , 2018, 18, 240.	3.7	77
25	Epoxidation, hydroxylation, acylation and urethanation of <i>Linum usitatissimum</i> seed oil and its derivatives. <i>European Journal of Lipid Science and Technology</i> , 2007, 109, 134-146.	1.0	67
26	<i>Nigella sativa</i> Extract as a Potent Antioxidant for Petrochemical-Induced Oxidative Stress. <i>Journal of Chromatographic Science</i> , 2011, 49, 321-326.	0.7	66
27	Photolytic oxidation of Coomassie Brilliant Blue with HO. <i>Dyes and Pigments</i> , 2005, 66, 197-200.	2.0	63
28	Effect of pH on Thermal- and Chemical-Induced Denaturation of GFP. <i>Applied Biochemistry and Biotechnology</i> , 2005, 126, 149-156.	1.4	63
29	Comparative decoloration study of Neutral Red by different oxidative processes. <i>Dyes and Pigments</i> , 2007, 72, 367-371.	2.0	58
30	Efficient microbial degradation of Toluidine Blue dye by <i>Brevibacillus</i> sp.. <i>Dyes and Pigments</i> , 2007, 75, 395-400.	2.0	58
31	Soybean peroxidase-mediated degradation of an azo dye – a detailed mechanistic study. <i>BMC Biochemistry</i> , 2013, 14, 35.	4.4	56
32	Detoxification and degradation of sulfamethoxazole by soybean peroxidase and UV+H ₂ O ₂ remediation approaches. <i>Chemical Engineering Journal</i> , 2018, 352, 450-458.	6.6	54
33	Harnessing the biocatalytic attributes and applied perspectives of nanoengineered laccases – A review. <i>International Journal of Biological Macromolecules</i> , 2021, 166, 352-373.	3.6	52
34	Mechanistic study of a diazo dye degradation by Soybean Peroxidase. <i>Chemistry Central Journal</i> , 2013, 7, 93.	2.6	51
35	Differential enzymatic degradation of thiazole pollutants by two different peroxidases – A comparative study. <i>Chemical Engineering Journal</i> , 2016, 303, 529-538.	6.6	51
36	An Integrated Professional and Transferable Skills Course for Undergraduate Chemistry Students. <i>Journal of Chemical Education</i> , 2011, 88, 44-48.	1.1	49

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37	Therapeutic targeting of replicative immortality. <i>Seminars in Cancer Biology</i> , 2015, 35, S104-S128.	4.3	49
38	The uridine in ϵ -U-turn: Contributions to tRNA-ribosomal binding. <i>Rna</i> , 1999, 5, 503-511.	1.6	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.	1.7	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.	1.6	46
41	Photocatalytic decoloration of Coomassie Brilliant Blue with titanium oxide. <i>Dyes and Pigments</i> , 2007, 72, 353-356.	2.0	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.	6.6	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.	1.8	40
44	Prototype Amperometric Biosensor for Sialic Acid Determination. <i>Analytical Chemistry</i> , 2007, 79, 1668-1674.	3.2	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.	0.6	38
46	Photolytic oxidation of Safranin-O with H ₂ O ₂ . <i>Dyes and Pigments</i> , 2007, 72, 349-352.	2.0	38
47	Liquid chromatography tandem mass spectrometry analysis of photodegradation of a diazo compound: A mechanistic study. <i>Chemosphere</i> , 2010, 80, 422-427.	4.2	38
48	Oxyradical-induced GFP damage and loss of fluorescence. <i>International Journal of Biological Macromolecules</i> , 2008, 43, 182-186.	3.6	37
49	Enzymatic pre-treatment of microalgae cells for enhanced extraction of proteins. <i>Engineering in Life Sciences</i> , 2017, 17, 175-185.	2.0	35
50	Clinical diagnostic tools for vitamin D assessment. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 180, 105-117.	1.2	35
51	Denaturation studies reveal significant differences between GFP and blue fluorescent protein. <i>International Journal of Biological Macromolecules</i> , 2009, 45, 236-241.	3.6	34
52	Robust nanocarriers to engineer nanobiocatalysts for bioprocessing applications. <i>Advances in Colloid and Interface Science</i> , 2021, 293, 102438.	7.0	34
53	Role of Modified Nucleosides of Yeast tRNA ^{Phe} in Ribosomal Binding. <i>Cell Biochemistry and Biophysics</i> , 2000, 33, 241-252.	0.9	32
54	A comparative study of Neutral Red decoloration by photo-Fenton and photocatalytic processes. <i>Dyes and Pigments</i> , 2008, 76, 332-337.	2.0	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.	1.6	28
56	LC-MSMS based screening of emerging pollutant degradation by different peroxidases. <i>BMC Biotechnology</i> , 2019, 19, 83.	1.7	28
57	Challenges and Recent Advances in Enzyme-Mediated Wastewater Remediation—A Review. <i>Nanomaterials</i> , 2021, 11, 3124.	1.9	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.	3.6	24
59	Enzyme-Loaded Flower-Shaped Nanomaterials: A Versatile Platform with Biosensing, Biocatalytic, and Environmental Promise. <i>Nanomaterials</i> , 2021, 11, 1460.	1.9	24
60	Differential Degradation and Detoxification of an Aromatic Pollutant by Two Different Peroxidases. <i>Biomolecules</i> , 2017, 7, 31.	1.8	22
61	Comparative Degradation of a Thiazole Pollutant by an Advanced Oxidation Process and an Enzymatic Approach. <i>Biomolecules</i> , 2017, 7, 64.	1.8	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.	2.6	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.	0.5	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.	1.2	17
67	Effect of Enzymatic pre-treatment of microalgae extracts on their anti-tumor activity. <i>Biomedical Journal</i> , 2017, 40, 339-346.	1.4	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.	1.6	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.	2.0	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.	1.2	15
71	Immobilized Soybean Peroxidase Hybrid Biocatalysts for Efficient Degradation of Various Emerging Pollutants. <i>Biomolecules</i> , 2021, 11, 904.	1.8	15
72	Expanding the Biocatalytic Scope of Enzyme-Loaded Polymeric Hydrogels. <i>Gels</i> , 2021, 7, 194.	2.1	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.	0.7	14
74	Efficient degradation of various emerging pollutants by wild type and evolved fungal DyP4 peroxidases. <i>PLoS ONE</i> , 2022, 17, e0262492.	1.1	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.	1.7	12
76	Laccase-loaded functionalized graphene oxide assemblies with improved biocatalytic properties and decolorization performance. <i>Environmental Technology and Innovation</i> , 2021, 24, 101884.	3.0	12
77	Raising environmental awareness through applied biochemistry laboratory experiments. <i>Biochemistry and Molecular Biology Education</i> , 2013, 41, 341-347.	0.5	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.	1.2	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.	1.6	9
80	Expression, purification, and characterization of biologically active full-length Mason-Pfizer monkey virus (MPMV) Pr78Gag. <i>Scientific Reports</i> , 2018, 8, 11793.	1.6	9
81	Identification and characterization of peptide probes directed against PKC β conformations. <i>Chemical Biology and Drug Design</i> , 2003, 61, 263-273.	1.2	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.	1.4	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 chromatography-mass spectrometry. <i>Biochemistry and Molecular Biology Education</i> , 2019, 47, 228-238.	0.5	6
85	Analysis of illicit glucocorticoid levels in camel hair using competitive ELISA – Comparison with LC-MS/MS. <i>Drug Testing and Analysis</i> , 2020, 12, 458-464.	1.6	5
86	Efficient Degradation of 2-Mercaptobenzothiazole and Other Emerging Pollutants by Recombinant Bacterial Dye-Decolorizing Peroxidases. <i>Biomolecules</i> , 2021, 11, 656.	1.8	4
87	A Non-Invasive Hair Test to Determine Vitamin D3 Levels. <i>Molecules</i> , 2021, 26, 3269.	1.7	4
88	Laccase-Mediated Bioremediation of Dye-Based Hazardous Pollutants. <i>Environmental Chemistry for A Sustainable World</i> , 2020, , 137-160.	0.3	4
89	Broadening the Scope of Biocatalysis Engineering by Tailoring Enzyme Microenvironment: A Review. <i>Catalysis Letters</i> , 2023, 153, 1227-1239.	1.4	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.	2.0	2

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91	Never let a crisis go to waste: Repurposing independent research projects to enhance students' critical thinking skills. <i>Biochemistry and Molecular Biology Education</i> , 2020, 48, 464-466.	0.5	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. <i>IUBMB Life</i> , 1996, 40, 1003-1010.	1.5	1
94	Borrowing a little from research to enhance undergraduate teaching. <i>Procedia, Social and Behavioral Sciences</i> , 2010, 2, 5507-5511.	0.5	1
95	HPLC estimation of iothalamate to measure glomerular filtration rate in humans. <i>Chemistry Central Journal</i> , 2016, 10, 80.	2.6	1
96	Draft Genome Sequence of <i>Bacillus cereus</i> Strain UAEU-H3K6M1, a Bacterium with Potential Bioremediation Abilities, Isolated from Petroleum Sludge. <i>Microbiology Resource Announcements</i> , 2018, 7, .	0.3	1