Kamran Tahir

List of Publications by Year in descending order

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58	2,971	117453	168136
papers	citations	34 h-index	53 g-index

58	58	58	3097
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Silver and gold nanoparticles from Sargentodoxa cuneata: synthesis, characterization and antileishmanial activity. RSC Advances, 2015, 5, 73793-73806.	1.7	167
2	The effects of bacteria-nanoparticles interface on the antibacterial activity of green synthesized silver nanoparticles. Microbial Pathogenesis, 2017, 102, 133-142.	1.3	149
3	Greener synthesis of zinc oxide nanoparticles using Trianthema portulacastrum extract and evaluation of its photocatalytic and biological applications. Journal of Photochemistry and Photobiology B: Biology, 2019, 192, 147-157.	1.7	133
4	Facile and green synthesis of phytochemicals capped platinum nanoparticles and in vitro their superior antibacterial activity. Journal of Photochemistry and Photobiology B: Biology, 2017, 166, 246-251.	1.7	131
5	An efficient photo catalytic activity of green synthesized silver nanoparticles using Salvadora persica stem extract. Separation and Purification Technology, 2015, 150, 316-324.	3.9	117
6	Size dependent catalytic activities of green synthesized gold nanoparticles and electro-catalytic oxidation of catechol on gold nanoparticles modified electrode. RSC Advances, 2015, 5, 99364-99377.	1.7	108
7	Nerium oleander leaves extract mediated synthesis of gold nanoparticles and its antioxidant activity. Materials Letters, 2015, 156, 198-201.	1.3	100
8	Biomedical applications of green synthesized Nobel metal nanoparticles. Journal of Photochemistry and Photobiology B: Biology, 2017, 173, 150-164.	1.7	98
9	Antibacterial activity of biochemically capped iron oxide nanoparticles: A view towards green chemistry. Journal of Photochemistry and Photobiology B: Biology, 2017, 170, 241-246.	1.7	94
10	Isatis tinctoria mediated synthesis of amphotericin B-bound silver nanoparticles with enhanced photoinduced antileishmanial activity: A novel green approach. Journal of Photochemistry and Photobiology B: Biology, 2016, 161, 17-24.	1.7	89
11	Visible light photo catalytic inactivation of bacteria and photo degradation of methylene blue with Ag/TiO 2 nanocomposite prepared by a novel method. Journal of Photochemistry and Photobiology B: Biology, 2016, 162, 189-198.	1.7	89
12	Photocatalytic and antibacterial response of biosynthesized gold nanoparticles. Journal of Photochemistry and Photobiology B: Biology, 2016, 162, 273-277.	1.7	87
13	Sapium sebiferum leaf extract mediated synthesis of palladium nanoparticles and in vitro investigation of their bacterial and photocatalytic activities. Journal of Photochemistry and Photobiology B: Biology, 2016, 164, 164-173.	1.7	86
14	Photo catalytic applications of gold nanoparticles synthesized by green route and electrochemical degradation of phenolic Azo dyes using AuNPs/GC as modified paste electrode. Journal of Alloys and Compounds, 2017, 725, 869-876.	2.8	80
15	Antioxidant and catalytic applications of silver nanoparticles using Dimocarpus longan seed extract as a reducing and stabilizing agent. Journal of Photochemistry and Photobiology B: Biology, 2016, 164, 344-351.	1.7	76
16	Synthesis and characterization of phytochemical fabricated zinc oxide nanoparticles with enhanced antibacterial and catalytic applications. Journal of Photochemistry and Photobiology B: Biology, 2018, 183, 349-356.	1.7	74
17	An eco-benign synthesis of AgNPs using aqueous extract of Longan fruit peel: Antiproliferative response against human breast cancer cell line MCF-7, antioxidant and photocatalytic deprivation of methylene blue. Journal of Photochemistry and Photobiology B: Biology, 2018, 183, 367-373.	1.7	73
18	Enzymatic browning reduction in white cabbage, potent antibacterial and antioxidant activities of biogenic silver nanoparticles. Journal of Molecular Liquids, 2016, 215, 39-46.	2.3	69

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19	Enhanced photocatalytic and electrocatalytic applications of green synthesized silver nanoparticles. Journal of Molecular Liquids, 2016, 220, 248-257.	2.3	68
20	Ultra-efficient photocatalytic deprivation of methylene blue and biological activities of biogenic silver nanoparticles. Journal of Photochemistry and Photobiology B: Biology, 2016, 159, 49-58.	1.7	67
21	Biodirected synthesis of palladium nanoparticles using Phoenix dactylifera leaves extract and their size dependent biomedical and catalytic applications. RSC Advances, 2016, 6, 85903-85916.	1.7	59
22	Amphotericin B-conjugated biogenic silver nanoparticles as an innovative strategy for fungal infections. Microbial Pathogenesis, 2016, 99, 271-281.	1.3	58
23	Phytosynthesis and Antileishmanial Activity of Gold Nanoparticles by M aytenus Royleanus. Journal of Food Biochemistry, 2016, 40, 420-427.	1.2	51
24	Visible light inactivation of E.Âcoli , Cytotoxicity and ROS determination of biochemically capped gold nanoparticles. Microbial Pathogenesis, 2017, 107, 419-424.	1.3	49
25	Biomedical and photocatalytic applications of biosynthesized silver nanoparticles: Ecotoxicology study of brilliant green dye and its mechanistic degradation pathways. Journal of Molecular Liquids, 2020, 319, 114114.	2.3	49
26	Enhanced antimicrobial, anti-oxidant applications of green synthesized AgNPs- an acute chronic toxicity study of phenolic azo dyes & study of materials surface using X-ray photoelectron spectroscopy. Journal of Photochemistry and Photobiology B: Biology, 2018, 180, 208-217.	1.7	44
27	Enhanced chemocatalytic reduction of aromatic nitro compounds by biosynthesized gold nanoparticles. Journal of Alloys and Compounds, 2015, 651, 322-327.	2.8	42
28	A facile fabrication of silver/copper oxide nanocomposite: An innovative entry in photocatalytic and biomedical materials. Photodiagnosis and Photodynamic Therapy, 2020, 31, 101814.	1.3	42
29	Photocatalytic, antimicrobial activities of biogenic silver nanoparticles and electrochemical degradation of water soluble dyes at glassy carbon/silver modified past electrode using buffer solution. Journal of Photochemistry and Photobiology B: Biology, 2016, 156, 100-107.	1.7	41
30	Longan fruit juice mediated synthesis of uniformly dispersed spherical AuNPs: cytotoxicity against human breast cancer cell line MCF-7, antioxidant and fluorescent properties. RSC Advances, 2016, 6, 23775-23782.	1.7	40
31	Visible light-induced photodegradation of methylene blue and reduction of 4-nitrophenol to 4-aminophenol over bio-synthesized silver nanoparticles. Separation Science and Technology, 2016, 51, 1070-1078.	1.3	40
32	Bio-fabrication of catalytic platinum nanoparticles and their in vitro efficacy against lungs cancer cells line (A549). Journal of Photochemistry and Photobiology B: Biology, 2017, 173, 368-375.	1.7	39
33	Enhanced visible light photocatalytic inactivation of Escherichia coli using silver nanoparticles as photocatalyst. Journal of Photochemistry and Photobiology B: Biology, 2015, 153, 261-266.	1.7	37
34	Synthesis of phytochemicals-stabilized gold nanoparticles and their biological activities against bacteria and Leishmania. Microbial Pathogenesis, 2017, 110, 304-312.	1.3	37
35	Preparation, characterization and an efficient photocatalytic activity of Au/TiO2 nanocomposite prepared by green deposition method. Materials Letters, 2016, 178, 56-59.	1.3	36
36	A Tagetes minuta based eco-benign synthesis of multifunctional Au/MgO nanocomposite with enhanced photocatalytic, antibacterial and DPPH scavenging activities. Materials Science and Engineering C, 2021, 126, 112146.	3.8	33

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37	Phytoassisted synthesis and characterization of palladium nanoparticles (PdNPs); with enhanced antibacterial, antioxidant and hemolytic activities. Photodiagnosis and Photodynamic Therapy, 2021, 36, 102542.	1.3	27
38	Facile fabrication of novel Ag2S-ZnO/GO nanocomposite with its enhanced photocatalytic and biological applications. Journal of Molecular Structure, 2022, 1251, 131991.	1.8	25
39	Ionic liquids based fluorination of organic compounds using electrochemical method. Journal of Industrial and Engineering Chemistry, 2015, 31, 26-38.	2.9	23
40	Catalytic reduction of 4-nitrophenol and photo inhibition of Pseudomonas aeruginosa using gold nanoparticles as photocatalyst. Journal of Photochemistry and Photobiology B: Biology, 2017, 170, 181-187.	1.7	23
41	Biogenic metal nanoparticles as a potential class of antileishmanial agents: mechanisms and molecular targets. Nanomedicine, 2020, 15, 809-828.	1.7	23
42	A Coronopus didymus based eco-benign synthesis of Titanium dioxide nanoparticles (TiO2 NPs) with enhanced photocatalytic and biomedical applications. Inorganic Chemistry Communication, 2022, 137, 109179.	1.8	21
43	Photoinhibition and photocatalytic response of surfactant mediated Pt/ZnO nanocomposite. Photodiagnosis and Photodynamic Therapy, 2021, 35, 102458.	1.3	19
44	Facile synthesis of copper oxide nanoparticles (CuONPs) using green method to promote photocatalytic and biocidal applications. Journal of Molecular Liquids, 2022, 360, 119453.	2.3	19
45	Optimization of Platinum Nanoparticles (PtNPs) Synthesis by Acid Phosphatase Mediated Eco-Benign Combined with Photocatalytic and Bioactivity Assessments. Nanomaterials, 2022, 12, 1079.	1.9	17
46	Sustainable and green synthesis of novel acid phosphatase mediated platinum nanoparticles (ACP-PtNPs) and investigation of its in vitro antibacterial, antioxidant, hemolysis and photocatalytic activities. Journal of Environmental Chemical Engineering, 2022, 10, 107623.	3.3	15
47	Electrochemical oxidation of catechols in the presence of 4-mercapto-benzoic acid, to synthesis sulfanyl compounds andÂtheirÂbiological studies. Tetrahedron, 2015, 71, 1674-1678.	1.0	14
48	Facile synthesis of silver modified zinc oxide nanocomposite: An efficient visible light active nanomaterial for bacterial inhibition and dye degradation. Photodiagnosis and Photodynamic Therapy, 2021, 36, 102619.	1.3	14
49	Effect of light-dark conditions on inhibition of Gram positive and gram negative bacteria and dye decomposition in the presence of photocatalyst Co/ZnO nanocomposite synthesized by ammonia Surfactants assisted SiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e314" altimg="si1.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>-Cu@Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e322" altimg="si1.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e330" altimg="si2.svg"><mml:mrow /></mml:math>	1.3	12
50		3.0	11
51	In vitro pharmacological screening of three newly synthesised pyrimidine derivatives. Natural Product Research, 2015, 29, 933-938.	1.0	10
52	Uncaria rhynchophylla mediated Ag/NiO nanocomposites: A new insight for the evaluation of cytotoxicity, antibacterial and photocatalytic applications. Photodiagnosis and Photodynamic Therapy, 2022, 37, 102681.	1.3	10
53	Photo-assisted inactivation of highly drug resistant bacteria and DPPH scavenging activities of zinc oxide graphted Pd-MCM-41 synthesized by new hydrothermal method. Photodiagnosis and Photodynamic Therapy, 2021, 33, 102162.	1.3	9
54	Facile fabrication of Ag nanoparticles: An advanced material for antioxidant, infectious therapy and photocatalytic applications. Inorganic Chemistry Communication, 2022, 141, 109539.	1.8	9

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55	A new study of biomediated Pd/tiO₂: a competitive system for Escherichia coli inhibition and radical stabilization. Materials Research Express, 2019, 6, 125430.	0.8	8
56	One-step fabrication of surfactant mediated Pd/SiO2, A prospect toward therapeutic and photocatalytic applications. Inorganic Chemistry Communication, 2022, 142, 109692.	1.8	5
57	Biomedical response under visible-light irradiation promoted by new hydrothermally synthesized SiO2-Zn@Fe2O3 nanofibers. Photodiagnosis and Photodynamic Therapy, 2021, 34, 102275.	1.3	3
58	New natural product -an efficient antimicrobial applications of new newly synthesized pyrimidine derivatives by the electrochemical oxidation of hydroxyl phenol in the presence of 2-mercapto-6-(trifluoromethyl) pyrimidine-4-ol as nucleophile. Natural Product Research, 2018, 32, 1161-1169.	1.0	2