# Sajid Bashir

List of Publications by Year
in descending order

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|---|---|---|---|
| 61 papers | 1,464 citations | 471509 17 h-index | 330143 37 g-index |
| 63 all docs | 63 docs citations | 63 times ranked | 2186 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Tackling the plant proteome: practical approaches, hurdles and experimental tools. Plant Journal, 2004, 39, 715-733. | 5.7 | 301 |
| 2 | Comparison of bactericidal activities of silver nanoparticles with common chemical disinfectants. Colloids and Surfaces B: Biointerfaces, 2011, 84, 88-96. | 5.0 | 169 |
| 3 | Green synthesis and characterization of polymer-stabilized silver nanoparticles. Colloids and Surfaces B: Biointerfaces, 2009, 73, 185-191. | 5.0 | 142 |
| 4 | Highly Potent Bactericidal Activity of Porous Metalâ€Organic Frameworks. Advanced Healthcare Materials, 2012, 1, 225-238. | 7.6 | 136 |
| 5 | Selection on Glycine β-1,3 Endoglucanase Genes Differentially Inhibited by a Phytophthora Glucanase Inhibitor ProteinSequence data from this article have been deposited with EMBL/GenBank Data Libraries under accession nos. AY461847, AY466133, AY466134, AY466135, AY466136, AY466137, AY466138, AY466139, AY466140, AY466141, AY466142, AY466143, AY466144, AY466145, AY466146, AY466147, AY466148, AY466149, AY466150, AY466151, AY466152, AY466153, AY466154, AY466155, AY466156, AY468381, AY468382, AY468383, AY468384.. Genetics, 2005, 169, 1009-1019. | 2.9 | 66 |
| 6 | Gas-phase basicities of the isomeric dihydroxybenzoic acids and gas-phase acidities of their radical cations. Journal of the American Society for Mass Spectrometry, 2000, 11, 544-552. | 2.8 | 57 |
| 7 | Colombistatin: a disintegrin isolated from the venom of the South American snake (Bothrops) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Toxicology, 2009, 83, 271-279. | 4.2 | 56 |
| 8 | Sublimation properties of x,y-dihydroxybenzoic acid isomers as model matrix assisted laser desorption ionisation (MALDI) matrices. Thermochimica Acta, 1999, 327, 167-171. | 2.7 | 47 |
| 9 | Facile preparation of hierarchical vanadium pentoxide (V2O5)/titanium dioxide (TiO2) heterojunction composite nano-arrays for high performance supercapacitor. Journal of Power Sources, 2018, 404, 47-55. | 7.8 | 42 |
| 10 | Inhibition of lung tumor colonization and cell migration with the disintegrin crotatroxin 2 isolated from the venom of Crotalus atrox. Toxicon, 2008, 51, 1186-1196. | 1.6 | 40 |
| 11 | A progressive approach on inactivation of bacteria using silverâ€“titania nanoparticles. Biomaterials Science, 2013, 1, 194-201. | 5.4 | 30 |
| 12 | Discrimination Effects in MALDI-MS of Mixtures of Peptidesâ€”Analysis of the Proteome. Australian Journal of Chemistry, 2003, 56, 369. | 0.9 | 29 |
| 13 | Quantification of Biomolecules by External Electrospray Ionization Fourier Transform Mass Spectrometry. Analytical Chemistry, 1997, 69, 2914-2918. | 6.5 | 28 |
| 14 | Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry of Dextran and Dextrin Derivatives. European Journal of Mass Spectrometry, 2003, 9, 61-70. | 1.0 | 21 |
| 15 | Facile design and nanostructural evaluation of silver-modified titania used as disinfectant. Dalton Transactions, 2011, 40, 1047-1054. | 3.3 | 21 |
| 16 | Conversion of extracted titanium tailing and waste glass to value-added porous glass ceramic with improved performances. Journal of Environmental Management, 2020, 261, 110197. | 7.8 | 20 |
| 17 | Silver-Modified Ba<sub>1â€“x</sub>Co<sub>0.7</sub>Fe<sub>0.2</sub>Nb<sub>0.1</sub>O<sub>3â^Î´</sub> Perovskite Performing as a Cathodic Catalyst of Intermediate-Temperature Solid Oxide Fuel Cells. ACS Applied Materials & Interfaces, 2020, 12, 9421-9433. | 8.0 | 19 |
| 18 | Functionalization of Aligned Carbon Nanotubes to Enhance the Performance of Fuel Cell. Energies, 2013, 6, 6476-6486. | 3.1 | 17 |

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|---|---|---|---|
| 19 | Effective bactericidal performance of silver-decorated titania nano-composites. Dalton Transactions, 2013, 42, 2158-2166. | 3.3 | 14 |
| 20 | Nanostructured Materials for Advanced Energy Conversion and Storage Devices: Safety Implications at End-of-Life Disposal. , 2018, , 517-542. | | 13 |
| 21 | Microstructure evolution and growth behavior of rod-shaped ZrB2 in situ preparation of ZrB2-SiC composite powders. Ceramics International, 2019, 45, 4016-4021. | 4.8 | 13 |
| 22 | Nanomaterials and Their Application. , 2015, , 1-50. | | 12 |
| 23 | Electrocatalysts for direct methanol fuel cells to demonstrate China's renewable energy renewable portfolio standards within the framework of the 13th five-year plan. Catalysis Today, 2021, 374, 135-153. | 4.4 | 12 |
| 24 | Characterization and identification of disintegrins in Crotalus horridus venom by liquid chromatography and tandem matrix-assisted laser desorption ionization - quadrupole ion trap time-of-flight (MALDI-QIT-TOF) mass spectrometry. Canadian Journal of Chemistry, 2005, 83, 1124-1131. | 1.1 | 10 |
| 25 | Monitoring Conformational Changes in Protein Complexes Using Chemical Cross-Linking and Fourier Transform Ion Cyclotron Resonance Mass Spectrometry: The Effect of Calcium Binding on the Calmodulinâ€"Melittin Complex. European Journal of Mass Spectrometry, 2007, 13, 281-290. | 1.0 | 10 |
| 26 | Colloidal Synthesis and Nanocharacterization of Engineered Noble Metal Nanoparticles. International Journal of Green Nanotechnology, 2011, 3, 140-151. | 0.3 | 10 |
| 27 | Matrix-assisted laser desorption/ionization mass spectrometry with re-engineered 2,5-dihydroxybenzoic acid derivativeElectronic supplementary information (ESI) available: Synthesis of M class matrices. See http://www.rsc.org/suppdata/an/b3/b309386g/. Analyst, The, 2003, 128, 1452. | 3.5 | 9 |
| 28 | Mechanism of Silver Nanoparticles as a Disinfectant. International Journal of Green Nanotechnology, 2011, 3, 118-133. | 0.3 | 9 |
| 29 | Iodine-assisted matrix-assisted laser desorption/ionisation. International Journal of Mass Spectrometry, 2002, 219, 697-701. | 1.5 | 8 |
| 30 | Efficient removal of direct yellow dye using chitosan crosslinked isovanillin derivative biopolymer utilizing triboelectric energy produced from homogeneous catalysis. Catalysis Today, 2022, 400-401, 132-145. | 4.4 | 8 |
| 31 | Performance of ferroelectric visible light type II Ag10Si4O13/TiO2 heterojunction photocatalyst. Catalysis Today, 2022, 400-401, 146-158. | 4.4 | 8 |
| 32 | Comment: Reproducibility of spectra and threshold fluence in matrix-assisted laser desorption/ionisation (MALDI) of polymers. European Journal of Mass Spectrometry, 1998, 4, 127. | 0.7 | 7 |
| 33 | Theoretical Investigation of the Proton Affinity and Gas-Phase Basicity of Neutral x,y-Dihydroxybenzoic Acid and its Derivatives. European Journal of Mass Spectrometry, 2006, 12, 385-396. | 1.0 | 7 |
| 34 | Use of Natural Products as Green Reducing Agents To Fabricate Highly Effective Nanodisinfectants. Journal of Agricultural and Food Chemistry, 2013, 61, 2019-2027. | 5.2 | 7 |
| 35 | Overviews of Synthesis of Nanomaterials. , 2015, , 51-115. | | 7 |
| 36 | Construction and characterization of phenol-based sensor derived from colloidal chemistry. Sensors and Actuators B: Chemical, 2009, 139, 584-591. | 7.8 | 6 |

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|---|---|---|---|
| 37 | Band gap evaluations of metal-inserted titania nanomaterials. Journal of Nanoparticle Research, 2013, 15, 1. | 1.9 | 6 |
| 38 | Sustainable Energy Application. , 2015, , 233-296. | | 6 |
| 39 | Three Waves of Disinfectants to Inactivate Bacteria. Materials Research Society Symposia Proceedings, 2013, 1498, 91-96. | 0.1 | 5 |
| 40 | Carbon Capture and Storageâˆ—. , 2015, , 329-366. | | 5 |
| 41 | Preparation of TiB2â€“SiC composites toughened with interlocking microstructure by self-assembled TiB2 plates. Ceramics International, 2022, 48, 5119-5129. | 4.8 | 5 |
| 42 | Title is missing!. Cellulose, 2001, 8, 81-89. | 4.9 | 4 |
| 43 | Nanocharacterization. , 2015, , 117-180. | | 4 |
| 44 | Parameterising matrix-assisted laser desorption/ionisation (MALDI): strategy for matrixâ€”analyte selection and effect of radical co-additives on analyte peak intensities. Analytica Chimica Acta, 2004, 519, 181-187. | 5.4 | 2 |
| 45 | Green Synthesis of Platinum-encapsulated Nickel Nanocatalyst and Its Microstructure Evaluation. Materials Research Society Symposia Proceedings, 2009, 1213, 101201. | 0.1 | 2 |
| 46 | Nanostructure characterization and performance evaluation of perovskite sensor composed of multi-elements. Talanta, 2010, 81, 1513-1521. | 5.5 | 2 |
| 47 | The use of a silica-based heat sink to â€œuncoupleâ€•the matrix-assisted laser desorption/ionization (MALDI) mechanism. Canadian Journal of Chemistry, 2011, 89, 446-460. | 1.1 | 2 |
| 48 | Biological study of metalâ€“organic frameworks towards human ovarian cancer cell lines. Canadian Journal of Chemistry, 2016, 94, 380-385. | 1.1 | 2 |
| 49 | Effect of metal surfaces on matrix-assisted laser desorption/ionization analyte peak intensities. European Journal of Mass Spectrometry, 2017, 23, 287-299. | 1.0 | 2 |
| 50 | Sustainable Energy Application. , 2015, , 181-231. | | 1 |
| 51 | Metal-organic frameworks and exemplified cytotoxicity evaluation. , 2020, , 347-381. | | 1 |
| 52 | Microbial Fuel Cells: Design and Evaluation of Catalysts and Device. , 2021, , 681-764. | | 1 |
| 53 | Comparative assessment of drug interactions in pediatrics at private and public sector hospitals of Sargodha and Faisalabad. African Journal of Pharmacy and Pharmacology, 2011, 5, . | 0.3 | 1 |
| 54 | 3D Conducting Polymeric Membrane and Scaffold Saccharomyces cerevisiae Biofilms to Enhance Energy Conversion in Microbial Fuel Cells. ACS Applied Materials & Interfaces, 2022, 14, 20393-20403. | 8.0 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Nanosafety. , 2015, , 367-421. | | 0 |
| 56 | Conclusions/Postlog. , 2015, , 423-424. | | 0 |
| 57 | Effect of Structured Surfaces on MALDI Analyte Peak Intensities. Australian Journal of Chemistry, 2017, 70, 1312. | 0.9 | 0 |
| 58 | Plant Proteomics. , 0, , . | | 0 |
| 59 | (Invited) Build Effective Cathode Nanocatalysts to Improve Performance of Proton Exchange Membrane Fuel Cells. ECS Meeting Abstracts, 2017, , . | 0.0 | 0 |
| 60 | Technology Policy and Road Map of Battery. , 2019, , 1-59. | | 0 |
| 61 | Perspective on advanced nanomaterials used for energy storage and conversion. Pure and Applied Chemistry, 2022, 94, 959-981. | 1.9 | 0 |