

Anjum Qureshi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8220783/publications.pdf>

Version: 2024-02-01

80
papers

2,347
citations

201658

27
h-index

223791

46
g-index

80
all docs

80
docs citations

80
times ranked

3453
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver nanoparticles decorated polyhedral oligomeric silsesquioxane nanocages as an effective nanoadditive for improved structural and biological properties of poly(vinylidene fluoride) membranes. <i>Materials Science and Engineering C</i> , 2021, 118, 111545.	3.5	50
2	Iron oxide nanoparticles based magnetic luminescent quantum dots (MQDs) synthesis and biomedical/biological applications: A review. <i>Materials Science and Engineering C</i> , 2021, 118, 111545.	7.3	61
3	Graphene and carbon nanotubes interfaced electrochemical nanobiosensors for the detection of SARS-CoV-2 (COVID-19) and other respiratory viral infections: A review. <i>Materials Science and Engineering C</i> , 2021, 129, 112356.	7.3	34
4	Mn ₃ O ₄ @Au nanozymes as peroxidase mimic and the surface-enhanced Raman scattering nanosensor for the detection of hydrogen peroxide. <i>Materials Today Chemistry</i> , 2021, 22, 100560.	3.5	15
5	Biosensors for detecting viral and bacterial infections using host biomarkers: a review. <i>Analyst</i> , The, 2020, 145, 7825-7848.	3.5	31
6	CdSe/CdS/ZnS nanocrystals decorated with Fe ₃ O ₄ nanoparticles for point-of-care optomagnetic detection of cancer biomarker in serum. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128431.	7.8	17
7	PEG functionalized graphene oxide-silver nano-additive for enhanced hydrophilicity, permeability and fouling resistance properties of PVDF-co-HFP membranes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 579, 123646.	4.7	28
8	Cysteine-Mediated Self-Assembled Ag@Au Nanoparticles As Fractal Patterns with Bowling-Alley-like Hollow Arrays for Electrochemical Sensing of Dopamine. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 8035-8043.	3.7	25
9	Development of an immunoblot assay for carcinoembryonic antigen (CEA) in human serum using a portable UV illuminator. <i>Analytical Methods</i> , 2018, 10, 947-949.	2.7	2
10	Graphene nano-mesh-Ag-ZnO hybrid paper for sensitive SERS sensing and self-cleaning of organic pollutants. <i>Chemical Engineering Journal</i> , 2018, 336, 445-455.	12.7	63
11	A Hand-Held Point-of-Care Biosensor Device for Detection of Multiple Cancer and Cardiac Disease Biomarkers Using Interdigitated Capacitive Arrays. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2018, 12, 1440-1449.	4.0	14
12	Zinc oxide-graphitic carbon nitride nanohybrid as an efficient electrochemical sensor and photocatalyst. <i>Sensors and Actuators B: Chemical</i> , 2018, 277, 467-476.	7.8	60
13	Role of quaternary ammonium compound immobilized metallic graphene oxide in PMMA/PEG membrane for antibacterial, antifouling and selective gas permeability properties. <i>Polymer Bulletin</i> , 2018, 75, 5695-5712.	3.3	14
14	Development of Hand-Held Point-of-Care Diagnostic Device for Detection of Multiple Cancer and Cardiac Disease Biomarkers. , 2018, , .		5
15	Surface modified graphene oxide nanosheets by gold ion implantation as a substrate for surface enhanced Raman scattering. <i>Journal of Alloys and Compounds</i> , 2017, 703, 500-507.	5.5	36
16	Graphene-interfaced electrical biosensor for label-free and sensitive detection of foodborne pathogenic E. coli O157:H7. <i>Biosensors and Bioelectronics</i> , 2017, 91, 225-231.	10.1	129
17	Inducing structural defects in multi-walled carbon nanotubes by biological oxidation. <i>Materials Today: Proceedings</i> , 2017, 4, 8788-8791.	1.8	0
18	Toxicity evaluation of e-juice and its soluble aerosols generated by electronic cigarettes using recombinant bioluminescent bacteria responsive to specific cellular damages. <i>Biosensors and Bioelectronics</i> , 2017, 90, 53-60.	10.1	10

#	ARTICLE	IF	CITATIONS
19	Probing synergistic toxicity effects on living cells by combination of two different sized nanoparticles by a whole-cell based biochip. <i>Materials Today: Proceedings</i> , 2017, 4, 8427-8431.	1.8	2
20	Modifications in physiochemical property of engineered graphene oxide by nanomaterials resistant bacteria. <i>Materials Today: Proceedings</i> , 2017, 4, 8792-8795.	1.8	0
21	Nanomaterial resistant microorganism mediated reduction of graphene oxide. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 39-46.	5.0	15
22	Biotransformation of multi-walled carbon nanotubes mediated by nanomaterial resistant soil bacteria. <i>Chemical Engineering Journal</i> , 2016, 298, 1-9.	12.7	42
23	Cells-on-chip based transducer platform for probing toxicity of metal nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2016, 231, 659-665.	7.8	3
24	Design, fabrication and performance evaluation of interdigital capacitive sensor for detection of Cardiac Troponin-I and Human Epidermal Growth Factor Receptor 2. , 2015, , .		3
25	Electronic Transducing Chip Platforms for Biosensing Applications. <i>Macromolecular Symposia</i> , 2015, 357, 109-115.	0.7	0
26	VEGF Cancer Biomarker Protein Detection in Real Human Serum Using Capacitive Label-Free Aptasensor. <i>Macromolecular Symposia</i> , 2015, 357, 74-78.	0.7	1
27	Determining the fate of fluorescent quantum dots on surface of engineered budding <i>S. cerevisiae</i> cell molecular landscape. <i>Biosensors and Bioelectronics</i> , 2015, 69, 26-33.	10.1	3
28	<i>S. cerevisiae</i> whole-cell based capacitive biochip for the detection of toxicity of different forms of carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2015, 218, 253-260.	7.8	9
29	Label-free capacitance based aptasensor platform for the detection of HER2/ErbB2 cancer biomarker in serum. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 1145-1151.	7.8	87
30	Capacitive aptamer-antibody based sandwich assay for the detection of VEGF cancer biomarker in serum. <i>Sensors and Actuators B: Chemical</i> , 2015, 209, 645-651.	7.8	70
31	Whole-cell based label-free capacitive biosensor for rapid nanosize-dependent toxicity detection. <i>Biosensors and Bioelectronics</i> , 2015, 67, 100-106.	10.1	18
32	In vitro HER2 protein-induced affinity dissociation of carbon nanotube-wrapped anti-HER2 aptamers for HER2 protein detection. <i>Analyst, The</i> , 2015, 140, 243-249.	3.5	60
33	Chemical toxicity detection using quantum dot encoded <i>E. coli</i> cells. <i>Sensors and Actuators B: Chemical</i> , 2014, 196, 381-387.	7.8	7
34	Quantum dot conjugated <i>S. cerevisiae</i> as smart nanotoxicity indicators for screening the toxicity of nanomaterials. <i>Journal of Materials Chemistry B</i> , 2014, 2, 3618-3625.	5.8	6
35	<i>E. coli</i> -quantum dot bioconjugates as whole-cell fluorescent reporters for probing cellular damage. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2724.	5.8	6
36	Capacitive Biosensor for Nanotoxicity Detection. <i>Procedia Engineering</i> , 2012, 47, 1331-1333.	1.2	0

#	ARTICLE	IF	CITATIONS
37	Investigation of surface properties of Ar-plasma treated polyethylene terephthalate (PET) films. Nuclear Instruments & Methods in Physics Research B, 2012, 289, 34-38.	1.4	41
38	Biosensors for cardiac biomarkers detection: A review. Sensors and Actuators B: Chemical, 2012, 171-172, 62-76.	7.8	308
39	An aptamer based competition assay for protein detection using CNT activated gold-interdigitated capacitor arrays. Biosensors and Bioelectronics, 2012, 34, 165-170.	10.1	37
40	Probing chemical induced cellular stress by non-Faradaic electrochemical impedance spectroscopy using an Escherichia coli capacitive biochip. Analyst, The, 2011, 136, 2726.	3.5	6
41	Label-Free Capacitive E. coli Biochip for Determining Chemicals that Induce Cellular Toxicity. Procedia Engineering, 2011, 25, 928-931.	1.2	1
42	Swift heavy ion-induced modification of the physical properties of polymethyl methacrylate/carbon black composites. Radiation Effects and Defects in Solids, 2011, 166, 640-647.	1.2	4
43	Effect of ion beam irradiation on metal particle doped polymer composites. Bulletin of Materials Science, 2011, 34, 81-88.	1.7	36
44	Label-free capacitive biosensor for sensitive detection of multiple biomarkers using gold interdigitated capacitor arrays. Biosensors and Bioelectronics, 2010, 25, 2318-2323.	10.1	111
45	Label-free detection of cardiac biomarker using aptamer based capacitive biosensor. Procedia Engineering, 2010, 5, 828-830.	1.2	14
46	Surface modification of polycarbonate by plasma treatment. Journal of Physics: Conference Series, 2010, 208, 012108.	0.4	34
47	Surface free energy analysis for bipolar pulsed argon plasma treated polymer films. Journal of Physics: Conference Series, 2010, 208, 012107.	0.4	14
48	Nanocrystalline diamond film for biosensor applications. Diamond and Related Materials, 2010, 19, 457-461.	3.9	30
49	Label-free RNA aptamer-based capacitive biosensor for the detection of C-reactive protein. Physical Chemistry Chemical Physics, 2010, 12, 9176.	2.8	70
50	Electrical and Thermal Studies on the Polyvinylchloride/Carbon Black Composites Induced by High Energy Ion Beam. Integrated Ferroelectrics, 2010, 117, 85-96.	0.7	6
51	Radiation induced modification of dielectric and structural properties of Cu/PMMA polymer composites. Journal of Non-Crystalline Solids, 2010, 356, 856-863.	3.1	38
52	Swift heavy ion induced modifications in nano-crystalline microwave dielectric BaTi4O9 ceramics. Journal of Alloys and Compounds, 2010, 504, 407-412.	5.5	7
53	Effect of ion beam irradiation on palladium (II) acetyl acetonate dispersed in polymer matrix. Radiation Effects and Defects in Solids, 2009, 164, 619-629.	1.2	1
54	Dielectric and magnetic properties of YIG/PMMA nanocomposites. Journal of Physics: Conference Series, 2009, 153, 012061.	0.4	7

#	ARTICLE	IF	CITATIONS
55	Structural and chemical modification of polymer composite by proton irradiation. Surface and Coatings Technology, 2009, 203, 2595-2599.	4.8	20
56	A novel interdigitated capacitor based biosensor for detection of cardiovascular risk marker. Biosensors and Bioelectronics, 2009, 25, 877-882.	10.1	56
57	AC electrical properties of proton irradiated EVA films. Indian Journal of Physics, 2009, 83, 1117-1122.	1.8	1
58	Effect of irradiation by 140Mev Ag ¹¹⁺ ions on the optical and electrical properties of polypropylene/TiO ₂ composite. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 3456-3460.	1.4	30
59	Electrical and gas sensing properties of Li and Ti codoped NiO/PVDF thin film. Sensors and Actuators B: Chemical, 2009, 138, 71-75.	7.8	24
60	A new nanocrystalline diamond-based biosensor for the detection of cardiovascular risk markers. Procedia Chemistry, 2009, 1, 1079-1082.	0.7	4
61	Preparation and characterization of Li and Ti codoped NiO nanocomposites for gas sensors applications. Sensors and Actuators B: Chemical, 2009, 135, 537-540.	7.8	32
62	Characterization of YIG nanopowders by mechanochemical synthesis. Journal of Alloys and Compounds, 2009, 478, 741-744.	5.5	22
63	Review on carbon-derived, solid-state, micro and nano sensors for electrochemical sensing applications. Diamond and Related Materials, 2009, 18, 1401-1420.	3.9	212
64	Dielectric response of proton irradiated polymer composite films. Radiation Measurements, 2008, 43, S603-S606.	1.4	5
65	Swift heavy ion induced modification in dielectric and microhardness properties of polymer composites. Polymer Degradation and Stability, 2008, 93, 1088-1093.	5.8	25
66	Dielectric and structural modification of proton beam irradiated polymer composite. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 1768-1774.	1.4	16
67	Modification of polymer composite films using 120MeV Ni ¹⁰⁺ ions. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 1775-1779.	1.4	15
68	Dielectric Properties of Polymer Composites Filled with Different Metals. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 45, 462-469.	2.2	44
69	Modification of Polymer Composite by Proton Beam Irradiation. Soft Materials, 2008, 6, 75-84.	1.7	3
70	Ion Beam Modification of Polymethyl methacrylate (PMMA) Polymer Matrix Filled with Organometallic Complex. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 45, 265-270.	2.2	14
71	Radiation-induced modification of organometallic compound dispersed polymer composites. Radiation Effects and Defects in Solids, 2008, 163, 169-177.	1.2	4
72	Ion beam modification of nickel dimethylglyoxime dispersed polymer films. Surface and Coatings Technology, 2007, 201, 8225-8229.	4.8	8

#	ARTICLE	IF	CITATIONS
73	Swift heavy ion induced modification in polyimide films. Surface and Coatings Technology, 2007, 201, 8308-8311.	4.8	15
74	Surface modification of polymeric blends by nitrogen plasma implantation. Surface and Coatings Technology, 2007, 201, 8278-8281.	4.8	10
75	Modifications of polycarbonate induced by swift heavy ions. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 457, 195-198.	5.6	27
76	Study of microhardness and electrical properties of proton irradiated polyethersulfone (PES). Bulletin of Materials Science, 2007, 30, 477-480.	1.7	17
77	Effect of swift heavy ion irradiation on dielectrics properties of polymer composite films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2007, 137, 85-92.	3.5	37
78	Ion beam modification and analysis of organometallics dispersed polymer films. Nuclear Instruments & Methods in Physics Research B, 2006, 244, 235-238.	1.4	8
79	Analysis of organometallics dispersed polymer composite irradiated with oxygen ions. Bulletin of Materials Science, 2006, 29, 605-609.	1.7	13
80	Surface modification of polyethylene terephthalate by plasma treatment. Radiation Measurements, 2005, 40, 746-749.	1.4	40