

Dhimiter Bello

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

3,223
citations

136950

32
h-index

161849

54
g-index

91
all docs

91
docs citations

91
times ranked

2990
citing authors

#	ARTICLE	IF	CITATIONS
1	Skin Exposure to Isocyanates: Reasons for Concern. <i>Environmental Health Perspectives</i> , 2007, 115, 328-335.	6.0	230
2	Exposure to nanoscale particles and fibers during machining of hybrid advanced composites containing carbon nanotubes. <i>Journal of Nanoparticle Research</i> , 2009, 11, 231-249.	1.9	207
3	Ingested engineered nanomaterials: state of science in nanotoxicity testing and future research needs. <i>Particle and Fibre Toxicology</i> , 2018, 15, 29.	6.2	128
4	Nanoparticles from photocopiers induce oxidative stress and upper respiratory tract inflammation in healthy volunteers. <i>Nanotoxicology</i> , 2013, 7, 1014-1027.	3.0	100
5	Particle exposure levels during CVD growth and subsequent handling of vertically-aligned carbon nanotube films. <i>Carbon</i> , 2008, 46, 974-977.	10.3	93
6	Polyisocyanates in occupational environments: A critical review of exposure limits and metrics. <i>American Journal of Industrial Medicine</i> , 2004, 46, 480-491.	2.1	90
7	Dissolution Behavior and Biodurability of Ingested Engineered Nanomaterials in the Gastrointestinal Environment. <i>ACS Nano</i> , 2018, 12, 8115-8128.	14.6	81
8	Harmonization of Measurement Strategies for Exposure to Manufactured Nano-Objects; Report of a Workshop. <i>Annals of Occupational Hygiene</i> , 2012, 56, 1-9.	1.9	80
9	Physicochemical and morphological characterisation of nanoparticles from photocopiers: implications for environmental health. <i>Nanotoxicology</i> , 2013, 7, 989-1003.	3.0	80
10	Assessment of reactive oxygen species generated by electronic cigarettes using acellular and cellular approaches. <i>Journal of Hazardous Materials</i> , 2018, 344, 549-557.	12.4	77
11	Consumer exposures to laser printer-emitted engineered nanoparticles: A case study of life-cycle implications from nano-enabled products. <i>Nanotoxicology</i> , 2015, 9, 760-768.	3.0	70
12	Evaluation of cytotoxic, genotoxic and inflammatory responses of nanoparticles from photocopiers in three human cell lines. <i>Particle and Fibre Toxicology</i> , 2013, 10, 42.	6.2	67
13	Effects of copy center particles on the lungs: a toxicological characterization using a <i>Balb/c</i> mouse model. <i>Inhalation Toxicology</i> , 2013, 25, 498-508.	1.6	64
14	Effects of Laser Printer-Emitted Engineered Nanoparticles on Cytotoxicity, Chemokine Expression, Reactive Oxygen Species, DNA Methylation, and DNA Damage: A Comprehensive <i>In Vitro</i> Analysis in Human Small Airway Epithelial Cells, Macrophages, and Lymphoblasts. <i>Environmental Health Perspectives</i> , 2016, 124, 210-219.	6.0	64
15	Characterization of Exposures To Nanoscale Particles and Fibers During Solid Core Drilling of Hybrid Carbon Nanotube Advanced Composites. <i>International Journal of Occupational and Environmental Health</i> , 2010, 16, 434-450.	1.2	64
16	Implications of <i>in vitro</i> dosimetry on toxicological ranking of low aspect ratio engineered nanomaterials. <i>Nanotoxicology</i> , 2015, 9, 871-885.	3.0	63
17	Occupational exposure to nanoparticles at commercial photocopy centers. <i>Journal of Hazardous Materials</i> , 2015, 298, 351-360.	12.4	63
18	Mapping the Biological Oxidative Damage of Engineered Nanomaterials. <i>Small</i> , 2013, 9, 1853-1865.	10.0	58

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19	Development and characterization of an exposure platform suitable for physico-chemical, morphological and toxicological characterization of printer-emitted particles (PEPs). <i>Inhalation Toxicology</i> , 2014, 26, 400-408.	1.6	57
20	Occupational dermal exposure to nanoparticles and nano-enabled products: Part 1 – Factors affecting skin absorption. <i>International Journal of Hygiene and Environmental Health</i> , 2016, 219, 536-544.	4.3	56
21	Nanoparticle exposures from nano-enabled toner-based printing equipment and human health: state of science and future research needs. <i>Critical Reviews in Toxicology</i> , 2017, 47, 683-709.	3.9	56
22	High Resolution Characterization of Engineered Nanomaterial Dispersions in Complex Media Using Tunable Resistive Pulse Sensing Technology. <i>ACS Nano</i> , 2014, 8, 9003-9015.	14.6	55
23	Isocyanate Exposures in Autobody Shop Work: The SPRAY Study. <i>Journal of Occupational and Environmental Hygiene</i> , 2004, 1, 570-581.	1.0	53
24	Characterization of Exposures To Nanoscale Particles and Fibers During Solid Core Drilling of Hybrid Carbon Nanotube Advanced Composites. <i>International Journal of Occupational and Environmental Health</i> , 2010, 16, 434-450.	1.2	52
25	Skin Exposure to Aliphatic Polyisocyanates in the Auto Body Repair and Refinishing Industry: II. A Quantitative Assessment. <i>Annals of Occupational Hygiene</i> , 2008, 52, 117-24.	1.9	51
26	Nanomaterials properties vs. biological oxidative damage: Implications for toxicity screening and exposure assessment. <i>Nanotoxicology</i> , 2009, 3, 249-261.	3.0	51
27	Markers of lipid oxidative damage in the exhaled breath condensate of nano TiO ₂ production workers. <i>Nanotoxicology</i> , 2017, 11, 52-63.	3.0	51
28	Safer-by-design flame-sprayed silicon dioxide nanoparticles: the role of silanol content on ROS generation, surface activity and cytotoxicity. <i>Particle and Fibre Toxicology</i> , 2019, 16, 40.	6.2	48
29	Respiratory Protection from Isocyanate Exposure in the Autobody Repair and Refinishing Industry. <i>Journal of Occupational and Environmental Hygiene</i> , 2006, 3, 234-249.	1.0	38
30	A nano-carrier platform for the targeted delivery of nature-inspired antimicrobials using Engineered Water Nanostructures for food safety applications. <i>Food Control</i> , 2019, 96, 365-374.	5.5	37
31	Occupational Inhalation Exposures to Nanoparticles at Six Singapore Printing Centers. <i>Environmental Science & Technology</i> , 2020, 54, 2389-2400.	10.0	36
32	Exposure to organophosphate flame retardants in spray polyurethane foam applicators: Role of dermal exposure. <i>Environment International</i> , 2018, 113, 55-65.	10.0	35
33	An integrated electrolysis – electrospray – ionization antimicrobial platform using Engineered Water Nanostructures (EWNS) for food safety applications. <i>Food Control</i> , 2018, 85, 151-160.	5.5	34
34	Occupational dermal exposure to nanoparticles and nano-enabled products: Part 2, exploration of exposure processes and methods of assessment. <i>International Journal of Hygiene and Environmental Health</i> , 2016, 219, 503-512.	4.3	32
35	End-of-life thermal decomposition of nano-enabled polymers: effect of nanofiller loading and polymer matrix on by-products. <i>Environmental Science: Nano</i> , 2016, 3, 1293-1305.	4.3	31
36	Screening for Oxidative Stress Elicited by Engineered Nanomaterials: Evaluation of Acellular DCFH Assay. <i>Dose-Response</i> , 2012, 10, dose-response.1.	1.6	30

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37	Understanding and correcting for carbon nanotube interferences with a commercial LDH cytotoxicity assay. <i>Toxicology</i> , 2012, 299, 99-111.	4.2	30
38	An FTIR investigation of isocyanate skin absorption using in vitro guinea pig skin. <i>Journal of Environmental Monitoring</i> , 2006, 8, 523.	2.1	28
39	Skin Exposure to Aliphatic Polyisocyanates in the Auto Body Repair and Refinishing Industry: A Qualitative Assessment. <i>Annals of Occupational Hygiene</i> , 2007, 51, 429-439.	1.9	27
40	Characterization of Exposures to Airborne Nanoscale Particles During Friction Stir Welding of Aluminum. <i>Annals of Occupational Hygiene</i> , 2010, 54, 486-503.	1.9	27
41	Biological oxidative damage by carbon nanotubes: Fingerprint or footprint?. <i>Nanotoxicology</i> , 2012, 6, 61-76.	3.0	27
42	The effects of recycling on the properties of carbon nanotube-filled polypropylene composites and worker exposures. <i>Environmental Science: Nano</i> , 2016, 3, 409-417.	4.3	27
43	Chronic upper airway inflammation and systemic oxidative stress from nanoparticles in photocopier operators: Mechanistic insights. <i>NanoImpact</i> , 2017, 5, 133-145.	4.5	26
44	Synergistic effects of engineered nanoparticles and organics released from laser printers using nano-enabled toners: potential health implications from exposures to the emitted organic aerosol. <i>Environmental Science: Nano</i> , 2017, 4, 2144-2156.	4.3	26
45	Markers of lipid oxidative damage among office workers exposed intermittently to air pollutants including nanoTiO ₂ particles. <i>Reviews on Environmental Health</i> , 2017, 32, 193-200.	2.4	26
46	Slow Curing of Aliphatic Polyisocyanate Paints in Automotive Refinishing: A Potential Source for Skin Exposure. <i>Journal of Occupational and Environmental Hygiene</i> , 2007, 4, 406-411.	1.0	25
47	Deep Airway Inflammation and Respiratory Disorders in Nanocomposite Workers. <i>Nanomaterials</i> , 2018, 8, 731.	4.1	25
48	Comprehensive Assessment of Short-Lived ROS and H ₂ O ₂ in Laser Printer Emissions: Assessing the Relative Contribution of Metal Oxides and Organic Constituents. <i>Environmental Science & Technology</i> , 2019, 53, 7574-7583.	10.0	25
49	Toxicological effects of PM _{0.25} –2.0 particles collected from a photocopy center in three human cell lines. <i>Inhalation Toxicology</i> , 2013, 25, 621-632.	1.6	24
50	Effects of ingested food-grade titanium dioxide, silicon dioxide, iron (III) oxide and zinc oxide nanoparticles on an in vitro model of intestinal epithelium: Comparison between monoculture vs. a mucus-secreting coculture model. <i>NanoImpact</i> , 2020, 17, 100209.	4.5	24
51	Markers of Oxidative Stress in the Exhaled Breath Condensate of Workers Handling Nanocomposites. <i>Nanomaterials</i> , 2018, 8, 611.	4.1	23
52	Biokinetics of engineered nano-TiO ₂ in rats administered by different exposure routes: implications for human health. <i>Nanotoxicology</i> , 2017, 11, 431-433.	3.0	22
53	Screening for oxidative damage by engineered nanomaterials: a comparative evaluation of FRAS and DCFH. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	20
54	Characterization of Potential Exposures to Nanoparticles and Fibers during Manufacturing and Recycling of Carbon Nanotube Reinforced Polypropylene Composites. <i>Annals of Occupational Hygiene</i> , 2016, 60, mev073.	1.9	19

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55	Assessment and control of exposures to polymeric methylene diphenyl diisocyanate (pMDI) in spray polyurethane foam applicators. <i>International Journal of Hygiene and Environmental Health</i> , 2019, 222, 804-815.	4.3	17
56	A 21-day sub-acute, whole-body inhalation exposure to printer-emitted engineered nanoparticles in rats: Exploring pulmonary and systemic effects. <i>NanoImpact</i> , 2019, 15, 100176.	4.5	16
57	Skin Exposure to Aliphatic Polyisocyanates in the Auto Body Repair and Refinishing Industry: III. A Personal Exposure Algorithm. <i>Annals of Occupational Hygiene</i> , 2009, 53, 33-40.	1.9	15
58	Exposures to nanoparticles and fibers during injection molding and recycling of carbon nanotube reinforced polycarbonate composites. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2017, 27, 379-390.	3.9	15
59	Indoor Air Quality in Photocopy Centers, Nanoparticle Exposures at Photocopy Workstations, and the Need for Exposure Controls. <i>Annals of Occupational Hygiene</i> , 2017, 61, 110-122.	1.9	14
60	Is nano safe to eat or not? A review of the state-of-the art in soft engineered nanoparticle (sENP) formulation and delivery in foods. <i>Advances in Food and Nutrition Research</i> , 2019, 88, 299-335.	3.0	13
61	Inactivation of Hand Hygiene-Related Pathogens Using Engineered Water Nanostructures. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19761-19769.	6.7	13
62	A laboratory investigation of the effectiveness of various skin and surface decontaminants for aliphatic polyisocyanates. <i>Journal of Environmental Monitoring</i> , 2005, 7, 716.	2.1	12
63	Oxidative Stress as a Screening Metric of Potential Toxicity by Nanoparticles and Airborne Particulate Matter. <i>Inhalation Toxicology</i> , 2008, 20, 895-895.	1.6	11
64	A Survey of Environmental and Occupational Work Practices in the Automotive Refinishing Industry of a Developing Country: Sonora, Mexico. <i>International Journal of Occupational and Environmental Health</i> , 2008, 14, 104-111.	1.2	11
65	Nanomaterial induction of oxidative stress in lung epithelial cells and macrophages. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	11
66	Development of an Interception Glove Sampler for Skin Exposures to Aromatic Isocyanates. <i>Annals of Occupational Hygiene</i> , 2016, 60, 1092-1103.	1.9	10
67	Exposures and urinary biomonitoring of aliphatic isocyanates in construction metal structure coating. <i>International Journal of Hygiene and Environmental Health</i> , 2020, 226, 113495.	4.3	10
68	Chronic upper airway and systemic inflammation from copier emitted particles in healthy operators at six Singaporean workplaces. <i>NanoImpact</i> , 2021, 22, 100325.	4.5	10
69	Urinary biomonitoring of occupational exposures to Bisphenol A Diglycidyl Ether (BADGE) based epoxy resins among construction painters in metal structure coating. <i>Environment International</i> , 2021, 156, 106632.	10.0	10
70	Testing of Disposable Protective Garments Against Isocyanate Permeation From Spray Polyurethane Foam Insulation. <i>Annals of Work Exposures and Health</i> , 2018, 62, 754-764.	1.4	8
71	Pilot deep RNA sequencing of worker blood samples from Singapore printing industry for occupational risk assessment. <i>NanoImpact</i> , 2020, 19, 100248.	4.5	8
72	Haemolytic activity of soil from areas of varying podocooniosis endemicity in Ethiopia. <i>PLoS ONE</i> , 2017, 12, e0177219.	2.5	8

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73	Zinc Exposure Promotes Commensal-to-Pathogen Transition in <i>Pseudomonas aeruginosa</i> Leading to Mucosal Inflammation and Illness in Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13321.	4.1	8
74	Comparison of Task-Based Exposure Metrics for an Epidemiologic Study of Isocyanate Inhalation Exposures Among Autobody Shop Workers. <i>Journal of Occupational and Environmental Hygiene</i> , 2008, 5, 588-598.	1.0	7
75	Dilysine-Methylene Diphenyl Diisocyanate (MDI), a Urine Biomarker of MDI Exposure?. <i>Chemical Research in Toxicology</i> , 2019, 32, 557-565.	3.3	7
76	Elevated Urinary Biomarkers of Oxidative Damage in Photocopier Operators following Acute and Chronic Exposures. <i>Nanomaterials</i> , 2022, 12, 715.	4.1	7
77	Residual Isocyanates in Medical Devices and Products: A Qualitative and Quantitative Assessment. <i>Environmental Health Insights</i> , 2016, 10, EHI.S39149.	1.7	5
78	Mesoporous activated carbon shows superior adsorption affinity for 11-nor-9-carboxy- Δ^9 -tetrahydrocannabinol in water. <i>Npj Clean Water</i> , 2020, 3, .	8.0	5
79	Prognostic serum biomarkers in cancer patients with COVID-19: A systematic review. <i>Translational Oncology</i> , 2022, 21, 101443.	3.7	5
80	Assessment of personal inhalation and skin exposures to polymeric methylene diphenyl diisocyanate during polyurethane fabric coating. <i>Toxicology and Industrial Health</i> , 2022, 38, 622-635.	1.4	5
81	Additive Impairment of Synaptic Signaling in Cultured Cortical Neurons by Exogenously-Applied Oligomerized Amyloid- β^2 and Airborne Nanoparticles Generated during Photocopying. <i>Journal of Alzheimer's Disease</i> , 2015, 47, 49-54.	2.6	4
82	A laboratory comparison of analytical methods used for isocyanates. <i>Analytical Methods</i> , 2011, 3, 2478.	2.7	3
83	Evaluation of Disposable Protective Garments against Isocyanate Permeation and Penetration from Polyurethane Anticorrosion Coatings. <i>Annals of Work Exposures and Health</i> , 2019, 63, 592-603.	1.4	3
84	Estimation of Titanium Dioxide Intake by Diet and Stool Assessment among US Healthy Adults. <i>Journal of Nutrition</i> , 2022, 152, 1525-1537.	2.9	3
85	Transferability of Aliphatic Isocyanates from Recently Applied Paints to the Skin of Auto Body Shop Workers. <i>Journal of Occupational and Environmental Hygiene</i> , 2012, 9, 699-711.	1.0	2
86	Investigation of nanoparticles emitted when injection molding neat and additive-filled polypropylene and polycarbonate. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	2
87	Characterization and Quantitation of Personal Exposures to Epoxy Paints in Construction Using a Combination of Novel Personal Samplers and Analytical Techniques: CIP-10MI, Liquid Chromatography-Tandem Mass Spectrometry and Ion Chromatography. <i>Annals of Work Exposures and Health</i> , 2021, 65, 539-553.	1.4	2
88	Toxicity screening and ranking of diverse engineered nanomaterials using established hierarchical testing approaches with a complementary <i>in vivo</i> zebrafish model. <i>Environmental Science: Nano</i> , 2022, 9, 2726-2749.	4.3	2
89	Letters to the Editor. <i>Journal of Occupational and Environmental Hygiene</i> , 2009, 6, D82-D85.	1.0	1
90	913...Nanoparticle emission during cutting operation of carbon nanotube reinforced polycarbonate composites and recycling effect. , 2018, , .		0