

# Richard L Neitzel

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/239142/publications.pdf>

Version: 2024-02-01

134  
papers

3,528  
citations

109137

35  
h-index

182168

51  
g-index

136  
all docs

136  
docs citations

136  
times ranked

3100  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dust Exposures in Swedish Soft Tissue Paper Mills. <i>Annals of Work Exposures and Health</i> , 2022, 66, 14-26.	0.6	1
2	Fraction of acute work-related injuries attributable to hazardous occupational noise across the USA in 2019. <i>Occupational and Environmental Medicine</i> , 2022, 79, 304-307.	1.3	4
3	Retrospective assessment of the association between noise exposure and nonfatal and fatal injury rates among miners in the United States from 1983 to 2014. <i>American Journal of Industrial Medicine</i> , 2022, 65, 30-40.	1.0	3
4	Toward a better understanding of nonoccupational sound exposures and associated health impacts: Methods of the Apple Hearing Study. <i>Journal of the Acoustical Society of America</i> , 2022, 151, 1476-1489.	0.5	5
5	Noise as a risk factor for COVID-19 transmission: Comment on Zhang: "Estimation of differential occupational risk of COVID-19 by comparing risk factors with case data by occupational group". <i>American Journal of Industrial Medicine</i> , 2022, 65, 512-513.	1.0	0
6	Monitoring SARS-CoV-2 in air and on surfaces and estimating infection risk in buildings and buses on a university campus. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2022, 32, 751-758.	1.8	34
7	Beware the Grizzlyman: A comparison of job- and industry-based noise exposure estimates using manual coding and the NIOSH NIOCCS machine learning algorithm. <i>Journal of Occupational and Environmental Hygiene</i> , 2022, 19, 437-447.	0.4	1
8	Noise exposure and mental workload: Evaluating the role of multiple noise exposure metrics among surface miners in the US Midwest. <i>Applied Ergonomics</i> , 2022, 103, 103772.	1.7	6
9	Effort-Reward Imbalance among a Sample of Formal US Solid Waste Workers. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 6791.	1.2	3
10	Cardiovascular mortality in a Swedish cohort of female industrial workers exposed to noise and shift work. <i>International Archives of Occupational and Environmental Health</i> , 2021, 94, 285-293.	1.1	12
11	Product representations in conjoint analysis in an LMIC setting: Comparing attribute valuation when three-dimensional physical prototypes are shown versus two-dimensional renderings. <i>Development Engineering</i> , 2021, 6, 100063.	1.4	2
12	Feasibility of a daily noise monitoring intervention for prevention of noise-induced hearing loss. <i>Occupational and Environmental Medicine</i> , 2021, 78, 835-840.	1.3	2
13	Road safety situation of electric bike riders: A cross-sectional study in courier and take-out food delivery population. <i>Traffic Injury Prevention</i> , 2021, 22, 564-569.	0.6	20
14	The "cost" of noise at work: an occupational injustice among low wage workers and communities. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
15	Pesticide Spraying and Reduced Cholinesterase Activity among Hill Tribe Farmers in Thailand. <i>Journal of Health and Pollution</i> , 2021, 11, 210908.	1.8	0
16	Characterization of noise exposure in places of worship. <i>Applied Acoustics</i> , 2021, 180, 108114.	1.7	0
17	Metal Exposures, Noise Exposures, and Audiometry from E-Waste Workers in Agbogbloshie, Ghana. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9639.	1.2	2
18	Pilot assessment of occupational safety and health of workers in an aircraft maintenance facility. <i>Safety Science</i> , 2021, 141, 105299.	2.6	5

#	ARTICLE	IF	CITATIONS
19	Pesticide exposure and adverse health effects associated with farmwork in Northern Thailand. <i>Journal of Occupational Health</i> , 2021, 63, e12222.	1.0	6
20	Hearing loss as a predictor for hearing protection attenuation among miners. <i>Occupational and Environmental Medicine</i> , 2021, 78, 371-376.	1.3	6
21	Spatial evaluation of environmental noise with the use of participatory sensing system in Singapore. <i>Noise Mapping</i> , 2021, 8, 236-248.	0.7	4
22	Work Task Association with Lead Urine and Blood Concentrations in Informal Electronic Waste Recyclers in Thailand and Chile. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10580.	1.2	5
23	Sensory Impairment is Associated With Recurrent Falls: Study of Womenâ€™s Health Across the Nation. <i>Innovation in Aging</i> , 2021, 5, 786-786.	0.0	0
24	Lung function and paper dust exposure among workers in a soft tissue paper mill. <i>International Archives of Occupational and Environmental Health</i> , 2020, 93, 105-110.	1.1	15
25	Response to Letter to the Editor regarding Franzblau et al., Asbestos-containing materials in abandoned residential dwellings in Detroit, from Prof. Arthur Frank, MD, PhD. <i>Science of the Total Environment</i> , 2020, 739, 139165.	3.9	1
26	Noise exposures in different community settings measured by traditional dosimeter and smartphone app. <i>Applied Acoustics</i> , 2020, 167, 107408.	1.7	12
27	Occupational exposure to soft paper dust and mortality. <i>Occupational and Environmental Medicine</i> , 2020, 77, 549-554.	1.3	7
28	Analysis of e-waste recycling behavior based on survey at a Midwestern US University. <i>Waste Management</i> , 2020, 105, 119-127.	3.7	65
29	A semi-quantitative job exposure matrix for dust exposures in Swedish soft tissue paper mills. <i>American Journal of Industrial Medicine</i> , 2020, 63, 359-367.	1.0	6
30	Asbestos-containing materials in abandoned residential dwellings in Detroit. <i>Science of the Total Environment</i> , 2020, 714, 136580.	3.9	15
31	Measurement of asbestos emissions associated with demolition of abandoned residential dwellings. <i>Science of the Total Environment</i> , 2020, 722, 137891.	3.9	18
32	Impacts of COVID-19-related social distancing measures on personal environmental sound exposures. <i>Environmental Research Letters</i> , 2020, 15, 104094.	2.2	23
33	Metal Levels, Genetic Instability, and Renal Markers in Electronic Waste Workers in Thailand. <i>International Journal of Occupational and Environmental Medicine</i> , 2020, 11, 72-84.	4.1	11
34	Pneumatic rock drill vs. electric rotary hammer drill: Productivity, vibration, dust, and noise when drilling into concrete. <i>Applied Ergonomics</i> , 2019, 74, 31-36.	1.7	20
35	Health Assessment of Electronic Waste Workers in Chile: Participant Characterization. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 386.	1.2	17
36	Stress, health, noise exposures, and injuries among electronic waste recycling workers in Ghana. <i>Journal of Occupational Medicine and Toxicology</i> , 2019, 14, 1.	0.9	59

#	ARTICLE	IF	CITATIONS
37	A Review of Biomarkers Used for Assessing Human Exposure to Metals from E-Waste. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1802.	1.2	18
38	Hearing Protector Attenuation and Noise Exposure Among Metal Manufacturing Workers. <i>Ear and Hearing</i> , 2019, 40, 680-689.	1.0	14
39	Awareness, riding behaviors, and legislative attitudes toward electric bikes among two types of road users: An investigation in Tianjin, a municipality in China. <i>Traffic Injury Prevention</i> , 2019, 20, 72-78.	0.6	20
40	Risk of noise-induced hearing loss due to recreational sound: Review and recommendations. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 3911-3921.	0.5	47
41	Noise exposure limit for children in recreational settings: Review of available evidence. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 3922-3933.	0.5	31
42	Self-Reported Health and Metal Body Burden in an Electronic Waste Recycling Community in Northeastern Thailand. <i>Journal of Occupational and Environmental Medicine</i> , 2019, 61, 905-909.	0.9	12
43	Patterns and trends in OSHA occupational noise exposure measurements from 1979 to 2013. <i>Occupational and Environmental Medicine</i> , 2019, 76, 118-124.	1.3	28
44	Occupational noise exposure and hearing defects among sawmill workers in the south of Thailand. <i>International Journal of Occupational Safety and Ergonomics</i> , 2019, 25, 458-466.	1.1	17
45	Development of a Job Exposure Matrix for Noise in the Swedish Soft Tissue Paper Industry. <i>Annals of Work Exposures and Health</i> , 2018, 62, 195-209.	0.6	5
46	Evaluating the Risk of Noise-Induced Hearing Loss Using Different Noise Measurement Criteria. <i>Annals of Work Exposures and Health</i> , 2018, 62, 295-306.	0.6	9
47	Costs and effectiveness of hearing conservation programs at 14 US metal manufacturing facilities. <i>International Journal of Audiology</i> , 2018, 57, S3-S11.	0.9	13
48	Characteristics and Predictors of Occupational Injury Among Career Firefighters. <i>Workplace Health and Safety</i> , 2018, 66, 291-301.	0.7	30
49	Assessing Hearing Conservation Program Effectiveness. <i>Journal of Occupational and Environmental Medicine</i> , 2018, 60, 29-35.	0.9	12
50	Applying a novel environmental health framework theory (I-ACT) to noise pollution policies in the United States, United Kingdom, and the Netherlands. <i>Journal of Environmental Planning and Management</i> , 2018, 61, 2111-2132.	2.4	7
51	Relationship Between Noise-Related Risk Perception, Knowledge, and the Use of Hearing Protection Devices Among Para Rubber Wood Sawmill Workers. <i>Safety and Health at Work</i> , 2018, 9, 25-29.	0.3	19
52	Meta-analysis of job-exposure matrix data from multiple sources. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2018, 28, 259-274.	1.8	12
53	On-site monitoring of occupational exposure to volatile organic compounds by a portable comprehensive 2-dimensional gas chromatography device. <i>Analytical Methods</i> , 2018, 10, 237-244.	1.3	15
54	Respirable silica and noise exposures among stone processing workers in northern Thailand. <i>Journal of Occupational and Environmental Hygiene</i> , 2018, 15, 117-124.	0.4	4

#	ARTICLE	IF	CITATIONS
55	Hearing loss, lead (Pb) exposure, and noise: a sound approach to ototoxicity exploration. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2018, 21, 335-355.	2.9	19
56	Assessing ototoxicity due to chronic lead and cadmium intake with and without noise exposure in the mature mouse. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2018, 81, 1041-1057.	1.1	14
57	Response to Dobie<i>et al</i>. Letter, "Exchange Rate and Risk of Noise-induced Hearing Loss in Construction Workers". <i>Annals of Work Exposures and Health</i> , 2018, 62, 1179-1181.	0.6	0
58	Imputation of missing values in a large job exposure matrix using hierarchical information. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2018, 28, 615-648.	1.8	8
59	Prevalence of Abnormal Serum Cholinesterase and Associated Symptoms from Pesticide Exposure among Agricultural Workers in the South of Thailand. <i>Journal of Agromedicine</i> , 2018, 23, 270-278.	0.9	14
60	Vestibular dysfunction in the adult CBA/CaJ mouse after lead and cadmium treatment. <i>Environmental Toxicology</i> , 2017, 32, 869-876.	2.1	16
61	Economic Impact of Hearing Loss and Reduction of Noise-Induced Hearing Loss in the United States. <i>Journal of Speech, Language, and Hearing Research</i> , 2017, 60, 182-189.	0.7	44
62	Historical review of efforts to reduce noise-induced hearing loss in the United States. <i>American Journal of Industrial Medicine</i> , 2017, 60, 569-577.	1.0	34
63	Occupational noise exposure and risk of hypertension in an industrial workforce. <i>American Journal of Industrial Medicine</i> , 2017, 60, 1031-1038.	1.0	32
64	Development and application of a novel method to characterize methylmercury exposure in newborns using dried blood spots. <i>Environmental Research</i> , 2017, 159, 276-282.	3.7	23
65	The Effects of Bit Wear on Respirable Silica Dust, Noise and Productivity: A Hammer Drill Bench Study. <i>Annals of Work Exposures and Health</i> , 2017, 61, 700-710.	0.6	9
66	What can 35 years and over 700,000 measurements tell us about noise exposure in the mining industry?. <i>International Journal of Audiology</i> , 2017, 56, 4-12.	0.9	21
67	Portable multi-dimensional gas chromatography device for rapid field analysis of chemical compounds. , 2017, , .		2
68	Mercury Levels in Human Hair and Farmed Fish near Artisanal and Small-Scale Gold Mining Communities in the Madre de Dios River Basin, Peru. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 302.	1.2	38
69	Heart Rate, Stress, and Occupational Noise Exposure among Electronic Waste Recycling Workers. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 140.	1.2	61
70	Improving the accuracy of smart devices to measure noise exposure. <i>Journal of Occupational and Environmental Hygiene</i> , 2016, 13, 840-846.	0.4	41
71	An exploratory study of noise exposures in educational and private dental clinics. <i>Journal of Occupational and Environmental Hygiene</i> , 2016, 13, 741-749.	0.4	21
72	Exposure to Power-Frequency Magnetic Fields and the Risk of Infertility and Adverse Pregnancy Outcomes: Update on the Human Evidence and Recommendations for Future Study Designs. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2016, 19, 29-45.	2.9	23

#	ARTICLE	IF	CITATIONS
73	A comparison of an audiometric screening survey with an in-depth research questionnaire for hearing loss and hearing loss risk factors. <i>International Journal of Audiology</i> , 2016, 55, 782-786.	0.9	2
74	Multiple elemental exposures amongst workers at the Agbogbloshie electronic waste (e-waste) site in Ghana. <i>Chemosphere</i> , 2016, 164, 68-74.	4.2	102
75	Assessing the direct occupational and public health impacts of solar radiation management with stratospheric aerosols. <i>Environmental Health</i> , 2016, 15, 7.	1.7	19
76	Injury Risk and Noise Exposure in Firefighter Training Operations. <i>Annals of Occupational Hygiene</i> , 2016, 60, 405-420.	1.9	20
77	Comparison of Multiple Measures of Noise Exposure in Paper Mills. <i>Annals of Occupational Hygiene</i> , 2016, 60, 581-596.	1.9	14
78	PERSONAL MEASURES OF POWER-FREQUENCY MAGNETIC FIELD EXPOSURE AMONG MEN FROM AN INFERTILITY CLINIC: DISTRIBUTION, TEMPORAL VARIABILITY AND CORRELATION WITH THEIR FEMALE PARTNERS' EXPOSURE. <i>Radiation Protection Dosimetry</i> , 2016, 172, 401-408.	0.4	2
79	Pilot study of methods and equipment for in-home noise level measurements. <i>Applied Acoustics</i> , 2016, 102, 1-11.	1.7	7
80	Confined Space Ventilation by Shipyard Welders: Observed Use and Effectiveness. <i>Annals of Occupational Hygiene</i> , 2015, 59, 116-21.	1.9	3
81	Health seeking behaviours among electronic waste workers in Ghana. <i>BMC Public Health</i> , 2015, 15, 1065.	1.2	52
82	Integrated Assessment of Artisanal and Small-Scale Gold Mining in Ghanaâ€”Part 1: Human Health Review. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 5143-5176.	1.2	115
83	Injury Risk Factors in a Small-Scale Gold Mining Community in Ghanaâ€™s Upper East Region. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 8744-8761.	1.2	30
84	The Association between Noise, Cortisol and Heart Rate in a Small-Scale Gold Mining Communityâ€™A Pilot Study. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 9952-9966.	1.2	31
85	Association between ambient noise exposure, hearing acuity, and risk of acute occupational injury. <i>Scandinavian Journal of Work, Environment and Health</i> , 2015, 41, 75-83.	1.7	63
86	Does tinnitus, hearing asymmetry, or hearing loss predispose to occupational injury risk?. <i>International Journal of Audiology</i> , 2015, 54, S30-S36.	0.9	20
87	Street-level noise in an urban setting: assessment and contribution to personal exposure. <i>Environmental Health</i> , 2015, 14, 18.	1.7	61
88	Valuing Quiet. <i>American Journal of Preventive Medicine</i> , 2015, 49, 345-353.	1.6	47
89	Environmental Noise Pollution in the United States: Developing an Effective Public Health Response. <i>Environmental Health Perspectives</i> , 2014, 122, 115-119.	2.8	249
90	Assessment of Noise Exposure to Children: Considerations for the National Childrenâ€™s Study. <i>Journal of Pregnancy and Child Health</i> , 2014, 01, .	0.2	4

#	ARTICLE	IF	CITATIONS
91	Methods for evaluating temporal trends in noise exposure. <i>International Journal of Audiology</i> , 2014, 53, S76-S83.	0.9	33
92	A comparison of occupational and nonoccupational noise exposures in Sweden. <i>Noise and Health</i> , 2014, 16, 270.	0.4	29
93	Spatial Variation in Environmental Noise and Air Pollution in New York City. <i>Journal of Urban Health</i> , 2014, 91, 415-431.	1.8	52
94	Safety and Health Hazard Observations in Hmong Farming Operations. <i>Journal of Agromedicine</i> , 2014, 19, 130-149.	0.9	13
95	Assessing Hmong Farmersâ€™ Safety and Health. <i>Workplace Health and Safety</i> , 2014, 62, 178-185.	0.7	6
96	Mass Transit Ridership and Self-Reported Hearing Health in an Urban Population. <i>Journal of Urban Health</i> , 2013, 90, 262-275.	1.8	3
97	Pilot task-based assessment of noise levels among firefighters. <i>International Journal of Industrial Ergonomics</i> , 2013, 43, 479-486.	1.5	13
98	Estimation of Permanent Noise-Induced Hearing Loss in an Urban Setting. <i>Environmental Science &amp; Technology</i> , 2013, 47, 6393-6399.	4.6	32
99	A mixed-methods evaluation of health and safety hazards at a scrap metal recycling facility. <i>Safety Science</i> , 2013, 51, 432-440.	2.6	13
100	The dose-response relationship between in-ear occupational noise exposure and hearing loss. <i>Occupational and Environmental Medicine</i> , 2013, 70, 716-721.	1.3	16
101	Training for an Effective Health and Safety Committee in a Small Business Setting. <i>New Solutions</i> , 2013, 23, 485-503.	0.6	3
102	Intervening at the Bottom: Can a Health and Safety Committee Intervention Influence Management Commitment?. <i>Policy and Practice in Health and Safety</i> , 2013, 11, 61-78.	0.5	9
103	10-Year prospective study of noise exposure and hearing damage among construction workers. <i>Occupational and Environmental Medicine</i> , 2012, 69, 643-650.	1.3	74
104	Exposures to Transit and Other Sources of Noise among New York City Residents. <i>Environmental Science &amp; Technology</i> , 2012, 46, 500-508.	4.6	42
105	Evaluation and Comparison of Three Exposure Assessment Techniques. <i>Journal of Occupational and Environmental Hygiene</i> , 2011, 8, 310-323.	0.4	31
106	A multi-component intervention to promote hearing protector use among construction workers. <i>International Journal of Audiology</i> , 2011, 50, S46-S56.	0.9	37
107	Longitudinal Assessment of Noise Exposure in a Cohort of Construction Workers. <i>Annals of Occupational Hygiene</i> , 2011, 55, 906-16.	1.9	28
108	Improving Exposure Estimates by Combining Exposure Information. <i>Annals of Occupational Hygiene</i> , 2011, 55, 537-47.	1.9	10

#	ARTICLE	IF	CITATIONS
109	Comparison of Perceived and Quantitative Measures of Occupational Noise Exposure. <i>Annals of Occupational Hygiene</i> , 2009, 53, 41-54.	1.9	37
110	Predictors of Hearing Protection Use in Construction Workers. <i>Annals of Occupational Hygiene</i> , 2009, 53, 605-15.	1.9	45
111	Biological monitoring of smoke exposure among wildland firefighters: A pilot study comparing urinary methoxyphenols with personal exposures to carbon monoxide, particular matter, and levoglucosan. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2009, 19, 349-358.	1.8	32
112	Indicators of Hearing Protection Use: Self-Report and Researcher Observation. <i>Journal of Occupational and Environmental Hygiene</i> , 2009, 6, 639-647.	0.4	40
113	Noise Levels Associated With New York City's Mass Transit Systems. <i>American Journal of Public Health</i> , 2009, 99, 1393-1399.	1.5	52
114	Exposure to fall hazards and safety climate in the aircraft maintenance industry. <i>Journal of Safety Research</i> , 2008, 39, 391-402.	1.7	19
115	A comparison of "Train-the-Trainer" and expert training modalities for hearing protection use in construction. <i>American Journal of Industrial Medicine</i> , 2008, 51, 130-137.	1.0	40
116	Development and pilot test of hearing conservation training for construction workers. <i>American Journal of Industrial Medicine</i> , 2008, 51, 120-129.	1.0	27
117	Occupational health and safety experience of day laborers in seattle, WA. <i>American Journal of Industrial Medicine</i> , 2008, 51, 399-406.	1.0	43
118	Pilot Survey of Subway and Bus Stop Noise Levels. <i>Journal of Urban Health</i> , 2006, 83, 802-812.	1.8	56
119	Noise exposures aboard catcher/processor fishing vessels. <i>American Journal of Industrial Medicine</i> , 2006, 49, 624-633.	1.0	37
120	Variability of Real-World Hearing Protector Attenuation Measurements. <i>Annals of Occupational Hygiene</i> , 2006, 50, 679-91.	1.9	36
121	Noise Levels of Routine Non-Occupational Activities. <i>Noise and Vibration Worldwide</i> , 2005, 36, 20-24.	0.4	0
122	Total Non-Occupational Noise Exposure of Construction Workers. <i>Noise and Vibration Worldwide</i> , 2005, 36, 12-19.	0.4	0
123	Alternative Metrics for Noise Exposure Among Construction Workers. <i>Annals of Occupational Hygiene</i> , 2005, 49, 493-502.	1.9	39
124	Prospective noise induced changes to hearing among construction industry apprentices. <i>Occupational and Environmental Medicine</i> , 2005, 62, 309-317.	1.3	86
125	The Effectiveness of Hearing Protection Among Construction Workers. <i>Journal of Occupational and Environmental Hygiene</i> , 2005, 2, 227-238.	0.4	92
126	Nonoccupational noise: exposures associated with routine activities. <i>Journal of the Acoustical Society of America</i> , 2004, 115, 237-245.	0.5	39



#	ARTICLE	IF	CITATIONS
127	Accuracy of task recall for epidemiological exposure assessment to construction noise. Occupational and Environmental Medicine, 2004, 61, 135-142.	1.3	36
128	Predictors of hearing threshold levels and distortion product otoacoustic emissions among noise exposed young adults. Occupational and Environmental Medicine, 2004, 61, 899-907.	1.3	44
129	Contributions of Non-occupational Activities to Total Noise Exposure of Construction Workers. Annals of Occupational Hygiene, 2004, 48, 463-73.	1.9	50
130	Task-Based Assessment of Occupational Vibration and Noise Exposures in Forestry Workers. AIHA Journal: A Journal for the Science of Occupational and Environmental Health and Safety, 2002, 63, 617-627.	0.4	50
131	A Review of Crane Safety in the Construction Industry. Journal of Occupational and Environmental Hygiene, 2001, 16, 1106-1117.	0.5	118
132	An Assessment of Occupational Noise Exposures in Four Construction Trades. AIHA Journal, 1999, 60, 807-817.	0.4	97
133	An Assessment of Occupational Noise Exposures in Four Construction Trades. AIHA Journal, 1999, 60, 807-817.	0.4	1
134	Analysis of copper, selenium, and zinc in newborn dried bloodspots using total reflection X-ray fluorescence (TXRF) spectroscopy. , 0, 1, e1.		2