

# Edward W Boyer

## List of Publications by Year in descending order

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Version: 2024-02-01

115  
papers

3,318  
citations

147566

31  
h-index

182168

51  
g-index

122  
all docs

122  
docs citations

122  
times ranked

4064  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a digital pill and respondent behavioral intervention (PrEPSteps) for HIV pre-exposure prophylaxis adherence among stimulant using men who have sex with men. <i>Translational Behavioral Medicine</i> , 2022, 12, .	1.2	9
2	Characterization of urinary protein profile in regular kratom ( <i>Mitragyna speciosa</i> korth.) users in Malaysia. <i>Journal of Addictive Diseases</i> , 2022, 40, 235-246.	0.8	3
3	A Multilevel Biosensor-Based Epidemic Simulation Model for COVID-19. <i>IEEE Internet of Things Journal</i> , 2022, 9, 10668-10675.	5.5	0
4	DigiPrEP: A Pilot Trial to Evaluate the Feasibility, Acceptability, and Accuracy of a Digital Pill System to Measure PrEP Adherence in Men Who Have Sex With Men Who Use Substances. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2022, 89, e5-e15.	0.9	13
5	The Effect of Noise-Masking Earbuds (SleepBuds) on Reported Sleep Quality and Tension in Health Care Shift Workers: Prospective Single-Subject Design Study. <i>JMIR Formative Research</i> , 2022, 6, e28353.	0.7	0
6	Real-World User Experiences with a Digital Pill System to Measure PrEP Adherence: Perspectives from MSM with Substance Use. <i>AIDS and Behavior</i> , 2022, 26, 2459-2468.	1.4	9
7	Factors Associated With Opioid Overdose After an Initial Opioid Prescription. <i>JAMA Network Open</i> , 2022, 5, e2145691.	2.8	24
8	Ingestible electronic sensors to measure instantaneous medication adherence: A narrative review. <i>Digital Health</i> , 2022, 8, 205520762210831.	0.9	9
9	An Overview of Wireless Body Area Networks for Mobile Health Applications. <i>IEEE Network</i> , 2022, 36, 76-82.	4.9	26
10	Mobile Robotic Platform for Contactless Vital Sign Monitoring. <i>Cyborg and Bionic Systems</i> , 2022, .	3.7	20
11	Associations of Plasma Folate and Vitamin B6 With Blood DNA Methylation Age: An Analysis of One-Carbon Metabolites in the VA Normative Aging Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 760-769.	1.7	11
12	Design and Delivery of Real-Time Adherence Data to Men Who Have Sex with Men Using Antiretroviral Pre-exposure Prophylaxis via an Ingestible Electronic Sensor. <i>AIDS and Behavior</i> , 2021, 25, 1661-1674.	1.4	16
13	Discrete SARS-CoV-2 antibody titers track with functional humoral stability. <i>Nature Communications</i> , 2021, 12, 1018.	5.8	82
14	Assessment of the Acceptability and Feasibility of Using Mobile Robotic Systems for Patient Evaluation. <i>JAMA Network Open</i> , 2021, 4, e210667.	2.8	13
15	A Brief Training Program to Support the Use of a Digital Pill System for Medication Adherence: Pilot Descriptive Study. <i>JMIR Formative Research</i> , 2021, 5, e26213.	0.7	4
16	Chronic pain severity, impact, and opioid use among patients with cancer: An analysis of biopsychosocial factors using the CHOIR learning health care system. <i>Cancer</i> , 2021, 127, 3254-3263.	2.0	20
17	Smartwatch biomarkers and the path to clinical use. <i>Med</i> , 2021, 2, 797-799.	2.2	3
18	Polypharmacy Exposure, Aging Populations, and COVID-19: Considerations for Healthcare Providers and Public Health Practitioners in Africa. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10263.	1.2	2

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19	Long-Term Stability of the Electronic Sensor Component of a Digital Pill System in Real-World Storage Settings. <i>Journal of Pharmacy Technology</i> , 2021, 37, 135-139.	0.5	4
20	Epidemiological and Immunological Features of Obesity and SARS-CoV-2. <i>Viruses</i> , 2021, 13, 2235.	1.5	15
21	Deployment of a wearable biosensor system in the emergency department: a technical feasibility study. <i>Annual Hawaii International Conference on System Sciences, Proceedings of the</i> , 2021, 2021, 3567-3572.	1.5	0
22	EDA-based Data Stream Pattern Analysis and Peak Detection Algorithm for Substance Users. , 2021, , .		0
23	The Use of Benzodiazepines among Kratom ( <i>Mitragyna Speciosa</i> Korth.) Users. <i>Journal of Psychoactive Drugs</i> , 2020, 52, 86-92.	1.0	2
24	Self-Report Data on Regular Consumption of Illicit Drugs and HIV Risk Behaviors after Kratom ( <i>Mitragyna Speciosa</i> Korth.) Initiation among Illicit Drug Users in Malaysia. <i>Journal of Psychoactive Drugs</i> , 2020, 52, 138-144.	1.0	14
25	Accuracy of Resident-Performed Point-of-Care Lung Ultrasound Examinations Versus Chest Radiography in Pneumothorax Follow-up After Tube Thoracostomy in Rwanda. <i>Journal of Ultrasound in Medicine</i> , 2020, 39, 499-506.	0.8	9
26	Lyophilized Kratom Tea as a Therapeutic Option for Opioid Dependence. <i>Drug and Alcohol Dependence</i> , 2020, 216, 108310.	1.6	40
27	A New Emulation Platform for Real-time Machine Learning in Substance Use Data Streams. , 2020, , .		2
28	Coagulation Status and Venous Thromboembolism Risk in African Americans: A Potential Risk Factor in COVID-19. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2020, 26, 107602962094367.	0.7	26
29	A review of toxic effects of electronic cigarettes/vaping in adolescents and young adults. <i>Critical Reviews in Toxicology</i> , 2020, 50, 531-538.	1.9	53
30	Two decades of little change: An analysis of U.S. medical school basic science faculty by sex, race/ethnicity, and academic rank. <i>PLoS ONE</i> , 2020, 15, e0235190.	1.1	32
31	In Response: What Happens When Algorithmic Music Meets Pain Medicine. <i>Pain Medicine</i> , 2020, 21, 3737-3738.	0.9	2
32	Characterizing Trends in Synthetic Cannabinoid Receptor Agonist Use from Patient Clinical Evaluations during Medical Toxicology Consultation. <i>Journal of Psychoactive Drugs</i> , 2020, 53, 1-8.	1.0	0
33	The Clinical Assessment of Vaping Exposure. <i>Journal of Addiction Medicine</i> , 2020, 14, 446-450.	1.4	4
34	Regulatory and Safety Considerations in Deploying a Locally Fabricated, Reusable Face Shield in a Hospital Responding to the COVID-19 Pandemic. <i>Med</i> , 2020, 1, 139-151.e4.	2.2	32
35	Federal Funding in Emergency Medicine: Demographics and Perspectives of Awardees. <i>Western Journal of Emergency Medicine</i> , 2020, 21, 304-312.	0.6	4
36	The Role and Promise of Artificial Intelligence in Medical Toxicology. <i>Journal of Medical Toxicology</i> , 2020, 16, 458-464.	0.8	13

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37	Harmonizing Wearable Biosensor Data Streams to Test Polysubstance Detection. , 2020, 2020, 445-449.		8
38	Case series: Adolescent victims of the vaping public health crisis with pulmonary complications. <i>Pediatric Pulmonology</i> , 2020, 55, 1224-1236.	1.0	18
39	Serum dioxin levels and sperm DNA methylation age: Findings in Vietnam war veterans exposed to Agent Orange. <i>Reproductive Toxicology</i> , 2020, 96, 27-35.	1.3	7
40	The Impact of Music on Nociceptive Processing. <i>Pain Medicine</i> , 2020, 21, 3047-3054.	0.9	10
41	Understanding Naloxone Uptake from an Emergency Department Distribution Program Using a Low-Energy Bluetooth Real-time Location System. <i>Journal of Medical Toxicology</i> , 2020, 16, 405-415.	0.8	7
42	Individual species and cumulative mixture relationships of 24-hour urine metal concentrations with DNA methylation age variables in older men. <i>Environmental Research</i> , 2020, 186, 109573.	3.7	16
43	A Brief Music App to Address Pain in the Emergency Department: Prospective Study. <i>Journal of Medical Internet Research</i> , 2020, 22, e18537.	2.1	14
44	Relationships of Long-Term Smoking and Moist Snuff Consumption With a DNA Methylation Age Relevant Smoking Index: An Analysis in Buccal Cells. <i>Nicotine and Tobacco Research</i> , 2019, 21, 1267-1273.	1.4	6
45	Critique of "Kratom Use and Toxicities in the United States". <i>Pharmacotherapy</i> , 2019, 39, 1119-1120.	1.2	1
46	A technology-augmented intervention to prevent peer violence and depressive symptoms among at-risk emergency department adolescents: Protocol for a randomized control trial. <i>Contemporary Clinical Trials</i> , 2019, 82, 106-114.	0.8	8
47	Kratom policy: The challenge of balancing therapeutic potential with public safety. <i>International Journal of Drug Policy</i> , 2019, 70, 70-77.	1.6	83
48	Self-reported prevalence and severity of opioid and kratom ( <i>Mitragyna speciosa</i> korth.) side effects. <i>Journal of Ethnopharmacology</i> , 2019, 238, 111876.	2.0	40
49	Short Communication: Bioequivalence of Tenofovir Component of Tenofovir/Rilpivirine/Emtricitabine in Digital Pills. <i>AIDS Research and Human Retroviruses</i> , 2019, 35, 361-363.	0.5	6
50	Acute and delayed toxicity from co-ingestion of methylene chloride and methanol. <i>Toxicology Communications</i> , 2019, 3, 79-84.	0.3	8
51	Faculty member writing groups support productivity. <i>Clinical Teacher</i> , 2019, 16, 565-569.	0.4	15
52	Toxic Ingestion of Acetaminophen and Acetylsalicylic Acid in a Parturient at 33 Weeks Gestation: A Case Report. <i>A&amp;A Practice</i> , 2019, 12, 302-304.	0.2	3
53	An Internet of Things Buttons to Measure and Respond to Restroom Cleanliness in a Hospital Setting: Descriptive Study. <i>Journal of Medical Internet Research</i> , 2019, 21, e13588.	2.1	11
54	The Feasibility and Acceptability of a Smartphone-Based Music Intervention for Acute Pain. , 2019, , .		3

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55	The Feasibility and Acceptability of a Smartphone-Based Music Intervention for Acute Pain. Annual Hawaii International Conference on System Sciences, Proceedings of the, 2019, 2019, 3917-3925.	1.5	3
56	mHealth for the Detection and Intervention in Adolescent and Young Adult Substance Use Disorder. Current Addiction Reports, 2018, 5, 110-119.	1.6	23
57	Cryptomarket drug acquisition leading to furanyl fentanyl overdose. Forensic Toxicology, 2018, 36, 534-536.	1.4	4
58	"You got to love rosin: Solventless dabs, pure, clean, natural medicine." Exploring Twitter data on emerging trends in Rosin Tech marijuana concentrates. Drug and Alcohol Dependence, 2018, 183, 248-252.	1.6	22
59	Self-identification of nonpharmaceutical fentanyl exposure following heroin overdose. Clinical Toxicology, 2018, 56, 37-42.	0.8	36
60	Recognition and Management of Pediatric Salt Toxicity. Pediatric Emergency Care, 2018, 34, 820-824.	0.5	9
61	A Review of Natural Language Processing in Medical Education. Western Journal of Emergency Medicine, 2018, 20, 78-86.	0.6	45
62	Over the influence: The HIV care continuum among methamphetamine-using men who have sex with men. Drug and Alcohol Dependence, 2018, 192, 125-128.	1.6	27
63	Machine Learning to Predict, Detect, and Intervene Older Adults Vulnerable for Adverse Drug Events in the Emergency Department. Journal of Medical Toxicology, 2018, 14, 248-252.	0.8	24
64	Automatic Detection of Opioid Intake Using Wearable Biosensor. , 2018, 2018, 784-788.		37
65	Novichok agents: a historical, current, and toxicological perspective. Toxicology Communications, 2018, 2, 45-48.	0.3	103
66	Emergency department text messaging for adolescent violence and depression prevention: A pilot randomized controlled trial.. Psychological Services, 2018, 15, 419-428.	0.9	30
67	Internet of Things Buttons for Real-Time Notifications in Hospital Operations: Proposal for Hospital Implementation. Journal of Medical Internet Research, 2018, 20, e251.	2.1	22
68	Wearable Biosensors to Evaluate Recurrent Opioid Toxicity After Naloxone Administration: A Hilbert Transform Approach. Annual Hawaii International Conference on System Sciences, Proceedings of the, 2018, 2018, 3247-3252.	1.5	10
69	Usability and Reliability of Smart Glasses for Secondary Triage During Mass Casualty Incidents. Annual Hawaii International Conference on System Sciences, Proceedings of the, 2018, 2018, 1416-1422.	1.5	7
70	Low-energy Bluetooth for detecting real-world penetrance of bystander naloxone kits: a pilot study. Annual Hawaii International Conference on System Sciences, Proceedings of the, 2018, 2018, 3253-3258.	1.5	0
71	Integrating Personalized Technology in Toxicology: Sensors, Smart Glass, and Social Media Applications in Toxicology Research. Journal of Medical Toxicology, 2017, 13, 166-172.	0.8	18
72	Accidental copper sulfate toxicity after flame colorant ingestion. Clinical Toxicology, 2017, 55, 943-945.	0.8	4

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73	A new mining method to detect real time substance use events from wearable biosensor data stream. , 2017, 2017, 465-470.		20
74	A Novel Oral Fluid Assay (LC-QTOF-MS) for the Detection of Fentanyl and Clandestine Opioids in Oral Fluid After Reported Heroin Overdose. Journal of Medical Toxicology, 2017, 13, 287-292.	0.8	75
75	Canagliflozin-associated diabetic ketoacidosis: a case report. Toxicology Communications, 2017, 1, 2-5.	0.3	3
76	â€œRetweet to Pass the Bluntâ€ Analyzing Geographic and Content Features of Cannabis-Related Tweeting Across the United States. Journal of Studies on Alcohol and Drugs, 2017, 78, 910-915.	0.6	22
77	Oxycodone Ingestion Patterns in Acute Fracture Pain With Digital Pills. Anesthesia and Analgesia, 2017, 125, 2105-2112.	1.1	36
78	Characterizing marijuana concentrate users: A web-based survey. Drug and Alcohol Dependence, 2017, 178, 399-407.	1.6	53
79	Toxic chemical weapons of assassination and warfare: nerve agents VX and sarin. Toxicology Communications, 2017, 1, 21-23.	0.3	59
80	45â€...Reducing peer violence and depressive symptoms among at-risk youth through an ed-initiated text-message intervention. , 2017, , .		0
81	Unsuspected Clenbuterol Toxicity in a Patient Using Intramuscular Testosterone. Clinical Practice and Cases in Emergency Medicine, 2017, 1, 197-200.	0.1	3
82	Music as an Adjunct to Opioid-Based Analgesia. Journal of Medical Toxicology, 2017, 13, 249-254.	0.8	36
83	Increases in synthetic cannabinoids-related harms: Results from a longitudinal web-based content analysis. International Journal of Drug Policy, 2017, 44, 121-129.	1.6	31
84	Digital Pills to Measure Opioid Ingestion Patterns in Emergency Department Patients With Acute Fracture Pain: A Pilot Study. Journal of Medical Internet Research, 2017, 19, e19.	2.1	45
85	Acceptability and perceived utility of drone technology among emergency medical service responders and incident commanders for mass casualty incident management. American Journal of Disaster Medicine, 2017, 12, 261-265.	0.1	13
86	â€œThose edibles hit hardâ€ Exploration of Twitter data on cannabis edibles in the U.S. Drug and Alcohol Dependence, 2016, 164, 64-70.	1.6	102
87	PULSEâ€SMART: Pulseâ€Based Arrhythmia Discrimination Using a Novel Smartphone Application. Journal of Cardiovascular Electrophysiology, 2016, 27, 51-57.	0.8	125
88	Suspected Adulteration of Commercial Kratom Products with 7-Hydroxymitragynine. Journal of Medical Toxicology, 2016, 12, 341-349.	0.8	93
89	A Depression Prevention Intervention for Adolescents in the Emergency Department. Journal of Adolescent Health, 2016, 59, 401-410.	1.2	48
90	Wearable Biosensors to Detect Physiologic Change During Opioid Use. Journal of Medical Toxicology, 2016, 12, 255-262.	0.8	64

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91	PTSD, cyberbullying and peer violence: prevalence and correlates among adolescent emergency department patients. <i>General Hospital Psychiatry</i> , 2016, 39, 32-38.	1.2	51
92	Ingestible Biosensors for Real-Time Medical Adherence Monitoring: MyTMed. , 2016, 2016, 3416-3423.		27
93	Time for dabs: Analyzing Twitter data on marijuana concentrates across the U.S.. <i>Drug and Alcohol Dependence</i> , 2015, 155, 307-311.	1.6	101
94	Utilizing an Ingestible Biosensor to Assess Real-Time Medication Adherence. <i>Journal of Medical Toxicology</i> , 2015, 11, 439-444.	0.8	54
95	Formative Research for Mhealth HIV Adherence: The iHAART App. , 2015, 2015, 2778-2785.		20
96	Treatment of bacterial skin infections in ED observation units: factors influencing prescribing practice. <i>American Journal of Emergency Medicine</i> , 2015, 33, 1780-1785.	0.7	10
97	Factors influencing the development of antibiotic associated diarrhea in ED patients discharged home: risk of administering IV antibiotics. <i>American Journal of Emergency Medicine</i> , 2014, 32, 1195-1199.	0.7	21
98	Antigen-specific H1N1 influenza antibody responses in acute respiratory tract infections and their relation to influenza infection and disease course. <i>Journal of Clinical Virology</i> , 2014, 60, 367-373.	1.6	7
99	Profiles of importance, readiness and confidence in quitting tobacco use. <i>Journal of Substance Use</i> , 2013, 18, 75-81.	0.3	10
100	Antitussives and substance abuse. <i>Substance Abuse and Rehabilitation</i> , 2013, 4, 75.	1.6	33
101	Readiness to change alcohol and illicit drug use among a sample of emergency department patients. <i>Journal of Substance Use</i> , 2012, 17, 260-268.	0.3	5
102	Preliminary Efforts Directed Toward the Detection of Craving of Illicit Substances: The iHeal Project. <i>Journal of Medical Toxicology</i> , 2012, 8, 5-9.	0.8	60
103	Intersection of chronic pain treatment and opioid analgesic misuse: causes, treatments, and policy strategies. <i>Substance Abuse and Rehabilitation</i> , 2011, 2, 145.	1.6	16
104	Mitragyna speciosa, A Psychoactive Tree from Southeast Asia with Opioid Activity. <i>Current Topics in Medicinal Chemistry</i> , 2011, 11, 1165-1175.	1.0	159
105	Conducting Drug Abuse Investigations in Natural Environments: Potential Directions for Medical Toxicology Research. <i>Journal of Medical Toxicology</i> , 2010, 6, 56-62.	0.8	1
106	Wireless Technologies, Ubiquitous Computing and Mobile Health: Application to Drug Abuse Treatment and Compliance with HIV Therapies. <i>Journal of Medical Toxicology</i> , 2010, 6, 212-216.	0.8	40
107	Methadone and Buprenorphine Toxicity in Children. <i>American Journal on Addictions</i> , 2010, 19, 89-95.	1.3	62
108	Case files of the University of Massachusetts Fellowship in Medical Toxicology: Lethal dose of opioids contained in an elastomeric capsule labeled as vancomycin. <i>Journal of Medical Toxicology</i> , 2008, 4, 192-196.	0.8	0

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109	Self-treatment of opioid withdrawal using kratom ( <i>Mitragynia speciosa korth</i> ). <i>Addiction</i> , 2008, 103, 1048-1050.	1.7	287
110	Impact of Internet Pharmacy Regulation on Opioid Analgesic Availability. <i>Journal of Studies on Alcohol and Drugs</i> , 2008, 69, 703-708.	0.6	19
111	Dissemination of Psychoactive Substance Information by Innovative Drug Users. <i>Cyberpsychology, Behavior and Social Networking</i> , 2007, 10, 1-6.	2.2	41
112	Self-treatment of Opioid Withdrawal with a Dietary Supplement, Kratom. <i>American Journal on Addictions</i> , 2007, 16, 352-356.	1.3	88
113	The Internet and Psychoactive Substance Use Among Innovative Drug Users. <i>Pediatrics</i> , 2005, 115, 302-305.	1.0	72
114	Dextromethorphan Abuse. <i>Pediatric Emergency Care</i> , 2004, 20, 858-863.	0.5	67
115	Diazepam Inhibits Organophosphate-induced Central Respiratory Depression. <i>Academic Emergency Medicine</i> , 2003, 10, 1303-1306.	0.8	22