

# Edward W Boyer

## List of Publications by Year in descending order

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Version: 2024-02-01

115  
papers

3,318  
citations

147801

31  
h-index

182427

51  
g-index

122  
all docs

122  
docs citations

122  
times ranked

4064  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-treatment of opioid withdrawal using kratom ( <i>Mitragyna speciosa</i> korth). <i>Addiction</i> , 2008, 103, 1048-1050.	3.3	287
2	<i>Mitragyna speciosa</i> , A Psychoactive Tree from Southeast Asia with Opioid Activity. <i>Current Topics in Medicinal Chemistry</i> , 2011, 11, 1165-1175.	2.1	159
3	PULSE-SMART: Pulse-Based Arrhythmia Discrimination Using a Novel Smartphone Application. <i>Journal of Cardiovascular Electrophysiology</i> , 2016, 27, 51-57.	1.7	125
4	Novichok agents: a historical, current, and toxicological perspective. <i>Toxicology Communications</i> , 2018, 2, 45-48.	0.7	103
5	“Those edibles hit hard” Exploration of Twitter data on cannabis edibles in the U.S. <i>Drug and Alcohol Dependence</i> , 2016, 164, 64-70.	3.2	102
6	“Time for dabs” Analyzing Twitter data on marijuana concentrates across the U.S.. <i>Drug and Alcohol Dependence</i> , 2015, 155, 307-311.	3.2	101
7	Suspected Adulteration of Commercial Kratom Products with 7-Hydroxymitragynine. <i>Journal of Medical Toxicology</i> , 2016, 12, 341-349.	1.5	93
8	Self-Treatment of Opioid Withdrawal with a Dietary Supplement, Kratom. <i>American Journal on Addictions</i> , 2007, 16, 352-356.	1.4	88
9	Kratom policy: The challenge of balancing therapeutic potential with public safety. <i>International Journal of Drug Policy</i> , 2019, 70, 70-77.	3.3	83
10	Discrete SARS-CoV-2 antibody titers track with functional humoral stability. <i>Nature Communications</i> , 2021, 12, 1018.	12.8	82
11	A Novel Oral Fluid Assay (LC-QTOF-MS) for the Detection of Fentanyl and Clandestine Opioids in Oral Fluid After Reported Heroin Overdose. <i>Journal of Medical Toxicology</i> , 2017, 13, 287-292.	1.5	75
12	The Internet and Psychoactive Substance Use Among Innovative Drug Users. <i>Pediatrics</i> , 2005, 115, 302-305.	2.1	72
13	Dextromethorphan Abuse. <i>Pediatric Emergency Care</i> , 2004, 20, 858-863.	0.9	67
14	Wearable Biosensors to Detect Physiologic Change During Opioid Use. <i>Journal of Medical Toxicology</i> , 2016, 12, 255-262.	1.5	64
15	Methadone and Buprenorphine Toxicity in Children. <i>American Journal on Addictions</i> , 2010, 19, 89-95.	1.4	62
16	Preliminary Efforts Directed Toward the Detection of Craving of Illicit Substances: The iHeal Project. <i>Journal of Medical Toxicology</i> , 2012, 8, 5-9.	1.5	60
17	Toxic chemical weapons of assassination and warfare: nerve agents VX and sarin. <i>Toxicology Communications</i> , 2017, 1, 21-23.	0.7	59
18	Utilizing an Ingestible Biosensor to Assess Real-Time Medication Adherence. <i>Journal of Medical Toxicology</i> , 2015, 11, 439-444.	1.5	54

#	ARTICLE	IF	CITATIONS
19	Characterizing marijuana concentrate users: A web-based survey. Drug and Alcohol Dependence, 2017, 178, 399-407.	3.2	53
20	A review of toxic effects of electronic cigarettes/vaping in adolescents and young adults. Critical Reviews in Toxicology, 2020, 50, 531-538.	3.9	53
21	PTSD, cyberbullying and peer violence: prevalence and correlates among adolescent emergency department patients. General Hospital Psychiatry, 2016, 39, 32-38.	2.4	51
22	A Depression Prevention Intervention for Adolescents in the Emergency Department. Journal of Adolescent Health, 2016, 59, 401-410.	2.5	48
23	A Review of Natural Language Processing in Medical Education. Western Journal of Emergency Medicine, 2018, 20, 78-86.	1.1	45
24	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.	4.3	45
25	Dissemination of Psychoactive Substance Information by Innovative Drug Users. Cyberpsychology, Behavior and Social Networking, 2007, 10, 1-6.	2.2	41
26	Wireless Technologies, Ubiquitous Computing and Mobile Health: Application to Drug Abuse Treatment and Compliance with HIV Therapies. Journal of Medical Toxicology, 2010, 6, 212-216.	1.5	40
27	Self-reported prevalence and severity of opioid and kratom (Mitragyna speciosa korth.) side effects. Journal of Ethnopharmacology, 2019, 238, 111876.	4.1	40
28	Lyophilized Kratom Tea as a Therapeutic Option for Opioid Dependence. Drug and Alcohol Dependence, 2020, 216, 108310.	3.2	40
29	Automatic Detection of Opioid Intake Using Wearable Biosensor. , 2018, 2018, 784-788.		37
30	Oxycodone Ingestion Patterns in Acute Fracture Pain With Digital Pills. Anesthesia and Analgesia, 2017, 125, 2105-2112.	2.2	36
31	Self-identification of nonpharmaceutical fentanyl exposure following heroin overdose. Clinical Toxicology, 2018, 56, 37-42.	1.9	36
32	Music as an Adjunct to Opioid-Based Analgesia. Journal of Medical Toxicology, 2017, 13, 249-254.	1.5	36
33	Antitussives and substance abuse. Substance Abuse and Rehabilitation, 2013, 4, 75.	4.8	33
34	Two decades of little change: An analysis of U.S. medical school basic science faculty by sex, race/ethnicity, and Academic rank. PLoS ONE, 2020, 15, e0235190.	2.5	32
35	Regulatory and Safety Considerations in Deploying a Locally Fabricated, Reusable Face Shield in a Hospital Responding to the COVID-19 Pandemic. Med, 2020, 1, 139-151.e4.	4.4	32
36	Increases in synthetic cannabinoids-related harms: Results from a longitudinal web-based content analysis. International Journal of Drug Policy, 2017, 44, 121-129.	3.3	31

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37	Emergency department text messaging for adolescent violence and depression prevention: A pilot randomized controlled trial.. Psychological Services, 2018, 15, 419-428.	1.5	30
38	Ingestible Biosensors for Real-Time Medical Adherence Monitoring: MyTMed. , 2016, 2016, 3416-3423.		27
39	Over the influence: The HIV care continuum among methamphetamine-using men who have sex with men. Drug and Alcohol Dependence, 2018, 192, 125-128.	3.2	27
40	Coagulation Status and Venous Thromboembolism Risk in African Americans: A Potential Risk Factor in COVID-19. Clinical and Applied Thrombosis/Hemostasis, 2020, 26, 107602962094367.	1.7	26
41	An Overview of Wireless Body Area Networks for Mobile Health Applications. IEEE Network, 2022, 36, 76-82.	6.9	26
42	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.	1.5	24
43	Factors Associated With Opioid Overdose After an Initial Opioid Prescription. JAMA Network Open, 2022, 5, e2145691.	5.9	24
44	mHealth for the Detection and Intervention in Adolescent and Young Adult Substance Use Disorder. Current Addiction Reports, 2018, 5, 110-119.	3.4	23
45	Diazepam Inhibits Organophosphate-induced Central Respiratory Depression. Academic Emergency Medicine, 2003, 10, 1303-1306.	1.8	22
46	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.	1.0	22
47	"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.	3.2	22
48	Internet of Things Buttons for Real-Time Notifications in Hospital Operations: Proposal for Hospital Implementation. Journal of Medical Internet Research, 2018, 20, e251.	4.3	22
49	Factors influencing the development of antibiotic associated diarrhea in ED patients discharged home: risk of administering IV antibiotics. American Journal of Emergency Medicine, 2014, 32, 1195-1199.	1.6	21
50	Formative Research for Mhealth HIV Adherence: The iHAART App. , 2015, 2015, 2778-2785.		20
51	A new mining method to detect real time substance use events from wearable biosensor data stream. , 2017, 2017, 465-470.		20
52	Chronic pain severity, impact, and opioid use among patients with cancer: An analysis of biopsychosocial factors using the CHOIR learning health care system. Cancer, 2021, 127, 3254-3263.	4.1	20
53	Mobile Robotic Platform for Contactless Vital Sign Monitoring. Cyborg and Bionic Systems, 2022, 2022, .	7.9	20
54	Impact of Internet Pharmacy Regulation on Opioid Analgesic Availability. Journal of Studies on Alcohol and Drugs, 2008, 69, 703-708.	1.0	19

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55	Integrating Personalized Technology in Toxicology: Sensors, Smart Glass, and Social Media Applications in Toxicology Research. <i>Journal of Medical Toxicology</i> , 2017, 13, 166-172.	1.5	18
56	Case series: Adolescent victims of the vaping public health crisis with pulmonary complications. <i>Pediatric Pulmonology</i> , 2020, 55, 1224-1236.	2.0	18
57	Intersection of chronic pain treatment and opioid analgesic misuse: causes, treatments, and policy strategies. <i>Substance Abuse and Rehabilitation</i> , 2011, 2, 145.	4.8	16
58	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.	2.7	16
59	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.	7.5	16
60	Faculty member writing groups support productivity. <i>Clinical Teacher</i> , 2019, 16, 565-569.	0.8	15
61	Epidemiological and Immunological Features of Obesity and SARS-CoV-2. <i>Viruses</i> , 2021, 13, 2235.	3.3	15
62	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.	1.7	14
63	A Brief Music App to Address Pain in the Emergency Department: Prospective Study. <i>Journal of Medical Internet Research</i> , 2020, 22, e18537.	4.3	14
64	The Role and Promise of Artificial Intelligence in Medical Toxicology. <i>Journal of Medical Toxicology</i> , 2020, 16, 458-464.	1.5	13
65	Assessment of the Acceptability and Feasibility of Using Mobile Robotic Systems for Patient Evaluation. <i>JAMA Network Open</i> , 2021, 4, e210667.	5.9	13
66	Acceptability and perceived utility of drone technology among emergency medical service responders and incident commanders for mass casualty incident management. <i>American Journal of Disaster Medicine</i> , 2017, 12, 261-265.	0.3	13
67	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.	2.1	13
68	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.	3.6	11
69	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.	4.3	11
70	Profiles of importance, readiness and confidence in quitting tobacco use. <i>Journal of Substance Use</i> , 2013, 18, 75-81.	0.7	10
71	Treatment of bacterial skin infections in ED observation units: factors influencing prescribing practice. <i>American Journal of Emergency Medicine</i> , 2015, 33, 1780-1785.	1.6	10
72	The Impact of Music on Nociceptive Processing. <i>Pain Medicine</i> , 2020, 21, 3047-3054.	1.9	10

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73	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
74	Recognition and Management of Pediatric Salt Toxicity. Pediatric Emergency Care, 2018, 34, 820-824.	0.9	9
75	Accuracy of Residentâ€Performed Pointâ€ofâ€Care Lung Ultrasound Examinations Versus Chest Radiography in Pneumothorax Followâ€up After Tube Thoracostomy in Rwanda. Journal of Ultrasound in Medicine, 2020, 39, 499-506.	1.7	9
76	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. Translational Behavioral Medicine, 2022, 12, .	2.4	9
77	Real-World User Experiences with a Digital Pill System to Measure PrEP Adherence: Perspectives from MSM with Substance Use. AIDS and Behavior, 2022, 26, 2459-2468.	2.7	9
78	Ingestible electronic sensors to measure instantaneous medication adherence: A narrative review. Digital Health, 2022, 8, 205520762210831.	1.8	9
79	A technology-augmented intervention to prevent peer violence and depressive symptoms among at-risk emergency department adolescents: Protocol for a randomized control trial. Contemporary Clinical Trials, 2019, 82, 106-114.	1.8	8
80	Acute and delayed toxicity from co-ingestion of methylene chloride and methanol. Toxicology Communications, 2019, 3, 79-84.	0.7	8
81	Harmonizing Wearable Biosensor Data Streams to Test Polysubstance Detection. , 2020, 2020, 445-449.		8
82	Antigen-specific H1N1 influenza antibody responses in acute respiratory tract infections and their relation to influenza infection and disease course. Journal of Clinical Virology, 2014, 60, 367-373.	3.1	7
83	Serum dioxin levels and sperm DNA methylation age: Findings in Vietnam war veterans exposed to Agent Orange. Reproductive Toxicology, 2020, 96, 27-35.	2.9	7
84	Understanding Naloxone Uptake from an Emergency Department Distribution Program Using a Low-Energy Bluetooth Real-time Location System. Journal of Medical Toxicology, 2020, 16, 405-415.	1.5	7
85	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
86	Relationships of Long-Term Smoking and Moist Snuff Consumption With a DNA Methylation Age Relevant Smoking Index: An Analysis in Buccal Cells. Nicotine and Tobacco Research, 2019, 21, 1267-1273.	2.6	6
87	Short Communication: Bioequivalence of Tenofovir Component of Tenofovir/Rilpivirine/Emtricitabine in Digital Pills. AIDS Research and Human Retroviruses, 2019, 35, 361-363.	1.1	6
88	Readiness to change alcohol and illicit drug use among a sample of emergency department patients. Journal of Substance Use, 2012, 17, 260-268.	0.7	5
89	Accidental copper sulfate toxicity after flame colorant ingestion. Clinical Toxicology, 2017, 55, 943-945.	1.9	4
90	Cryptomarket drug acquisition leading to furanyl fentanyl overdose. Forensic Toxicology, 2018, 36, 534-536.	2.4	4

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91	The Clinical Assessment of Vaping Exposure. Journal of Addiction Medicine, 2020, 14, 446-450.	2.6	4
92	Federal Funding in Emergency Medicine: Demographics and Perspectives of Awardees. Western Journal of Emergency Medicine, 2020, 21, 304-312.	1.1	4
93	A Brief Training Program to Support the Use of a Digital Pill System for Medication Adherence: Pilot Descriptive Study. JMIR Formative Research, 2021, 5, e26213.	1.4	4
94	Long-Term Stability of the Electronic Sensor Component of a Digital Pill System in Real-World Storage Settings. Journal of Pharmacy Technology, 2021, 37, 135-139.	1.0	4
95	Canagliflozin-associated diabetic ketoacidosis: a case report. Toxicology Communications, 2017, 1, 2-5.	0.7	3
96	Unsuspected Clenbuterol Toxicity in a Patient Using Intramuscular Testosterone. Clinical Practice and Cases in Emergency Medicine, 2017, 1, 197-200.	0.3	3
97	Toxic Ingestion of Acetaminophen and Acetylsalicylic Acid in a Parturient at 33 Weeks Gestation: A Case Report. A&A Practice, 2019, 12, 302-304.	0.4	3
98	Smartwatch biomarkers and the path to clinical use. Med, 2021, 2, 797-799.	4.4	3
99	The Feasibility and Acceptability of a Smartphone-Based Music Intervention for Acute Pain. , 2019, , .		3
100	Characterization of urinary protein profile in regular kratom (<i>Mitragyna speciosa</i> korth.) users in Malaysia. Journal of Addictive Diseases, 2022, 40, 235-246.	1.3	3
101	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
102	The Use of Benzodiazepines among Kratom (Mitragyna Speciosa Korth.) Users. Journal of Psychoactive Drugs, 2020, 52, 86-92.	1.7	2
103	A New Emulation Platform for Real-time Machine Learning in Substance Use Data Streams. , 2020, , .		2
104	In Response: What Happens When Algorithmic Music Meets Pain Medicine. Pain Medicine, 2020, 21, 3737-3738.	1.9	2
105	Polypharmacy Exposure, Aging Populations, and COVID-19: Considerations for Healthcare Providers and Public Health Practitioners in Africa. International Journal of Environmental Research and Public Health, 2021, 18, 10263.	2.6	2
106	Conducting Drug Abuse Investigations in Natural Environments: Potential Directions for Medical Toxicology Research. Journal of Medical Toxicology, 2010, 6, 56-62.	1.5	1
107	Critique of “Kratom Use and Toxicities in the United States”. Pharmacotherapy, 2019, 39, 1119-1120.	2.6	1
108	Case files of the University of Massachusetts Fellowship in Medical Toxicology: Lethal dose of opioids contained in an elastomeric capsule labeled as vancomycin. Journal of Medical Toxicology, 2008, 4, 192-196.	1.5	0

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109	45â€¦Reducing peer violence and depressive symptoms among at-risk youth through an ed-initiated text-message intervention. , 2017, , .		0
110	Characterizing Trends in Synthetic Cannabinoid Receptor Agonist Use from Patient Clinical Evaluations during Medical Toxicology Consultation. Journal of Psychoactive Drugs, 2020, 53, 1-8.	1.7	0
111	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
112	Deployment of a wearable biosensor system in the emergency department: a technical feasibility study. Annual Hawaii International Conference on System Sciences, Proceedings of the, 2021, 2021, 3567-3572.	1.5	0
113	A Multilevel Biosensor-Based Epidemic Simulation Model for COVID-19. IEEE Internet of Things Journal, 2022, 9, 10668-10675.	8.7	0
114	The Effect of Noise-Masking Earbuds (SleepBuds) on Reported Sleep Quality and Tension in Health Care Shift Workers: Prospective Single-Subject Design Study. JMIR Formative Research, 2022, 6, e28353.	1.4	0
115	EDA-based Data Stream Pattern Analysis and Peak Detection Algorithm for Substance Users. , 2021, , .		0