

Edward W Boyer

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

112
papers

2,203
citations

26
h-index

43
g-index

122
ext. papers

2,857
ext. citations

4.2
avg. IF

5.21
L-index

#	Paper	IF	Citations
112	Self-treatment of opioid withdrawal using kratom (<i>Mitragyna speciosa</i> korth). <i>Addiction</i> , 2008 , 103, 1048-50	4.50	234
111	<i>Mitragyna speciosa</i> , a psychoactive tree from Southeast Asia with opioid activity. <i>Current Topics in Medicinal Chemistry</i> , 2011 , 11, 1165-75	3	130
110	PULSE-SMART: Pulse-Based Arrhythmia Discrimination Using a Novel Smartphone Application. <i>Journal of Cardiovascular Electrophysiology</i> , 2016 , 27, 51-7	2.7	87
109	"Time for dabs": Analyzing Twitter data on marijuana concentrates across the U.S. <i>Drug and Alcohol Dependence</i> , 2015 , 155, 307-11	4.9	75
108	Self-treatment of opioid withdrawal with a dietary supplement, Kratom. <i>American Journal on Addictions</i> , 2007 , 16, 352-6	3.7	72
107	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	2.6	70
106	"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	4.9	68
105	Suspected Adulteration of Commercial Kratom Products with 7-Hydroxymitragynine. <i>Journal of Medical Toxicology</i> , 2016 , 12, 341-349	2.6	63
104	Novichok agents: a historical, current, and toxicological perspective. <i>Toxicology Communications</i> , 2018 , 2, 45-48	1.4	63
103	Dextromethorphan abuse. <i>Pediatric Emergency Care</i> , 2004 , 20, 858-63	1.4	62
102	The Internet and psychoactive substance use among innovative drug users. <i>Pediatrics</i> , 2005 , 115, 302-5	7.4	61
101	Kratom policy: The challenge of balancing therapeutic potential with public safety. <i>International Journal of Drug Policy</i> , 2019 , 70, 70-77	5.5	56
100	Methadone and buprenorphine toxicity in children. <i>American Journal on Addictions</i> , 2010 , 19, 89-95	3.7	52
99	Preliminary efforts directed toward the detection of craving of illicit substances: the iHeal project. <i>Journal of Medical Toxicology</i> , 2012 , 8, 5-9	2.6	47
98	Discrete SARS-CoV-2 antibody titers track with functional humoral stability. <i>Nature Communications</i> , 2021 , 12, 1018	17.4	46
97	PTSD, cyberbullying and peer violence: prevalence and correlates among adolescent emergency department patients. <i>General Hospital Psychiatry</i> , 2016 , 39, 32-8	5.6	43
96	Toxic chemical weapons of assassination and warfare: nerve agents VX and sarin. <i>Toxicology Communications</i> , 2017 , 1, 21-23	1.4	39

95	Utilizing an Ingestible Biosensor to Assess Real-Time Medication Adherence. <i>Journal of Medical Toxicology</i> , 2015 , 11, 439-44	2.6	38
94	Dissemination of psychoactive substance information by innovative drug users. <i>Cyberpsychology, Behavior and Social Networking</i> , 2007 , 10, 1-6		38
93	Characterizing marijuana concentrate users: A web-based survey. <i>Drug and Alcohol Dependence</i> , 2017 , 178, 399-407	4.9	37
92	Wearable Biosensors to Detect Physiologic Change During Opioid Use. <i>Journal of Medical Toxicology</i> , 2016 , 12, 255-62	2.6	36
91	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, 212-6	2.6	34
90	A Depression Prevention Intervention for Adolescents in the Emergency Department. <i>Journal of Adolescent Health</i> , 2016 , 59, 401-10	5.8	33
89	Self-identification of nonpharmaceutical fentanyl exposure following heroin overdose. <i>Clinical Toxicology</i> , 2018 , 56, 37-42	2.9	30
88	Digital Pills to Measure Opioid Ingestion Patterns in Emergency Department Patients With Acute Fracture Pain: A Pilot Study. <i>Journal of Medical Internet Research</i> , 2017 , 19, e19	7.6	27
87	Self-reported prevalence and severity of opioid and kratom (<i>Mitragyna speciosa</i> korth.) side effects. <i>Journal of Ethnopharmacology</i> , 2019 , 238, 111876	5	26
86	Oxycodone Ingestion Patterns in Acute Fracture Pain With Digital Pills. <i>Anesthesia and Analgesia</i> , 2017 , 125, 2105-2112	3.9	25
85	Antitussives and substance abuse. <i>Substance Abuse and Rehabilitation</i> , 2013 , 4, 75-82	5.5	23
84	Increases in synthetic cannabinoids-related harms: Results from a longitudinal web-based content analysis. <i>International Journal of Drug Policy</i> , 2017 , 44, 121-129	5.5	23
83	Lyophilized Kratom Tea as a Therapeutic Option for Opioid Dependence. <i>Drug and Alcohol Dependence</i> , 2020 , 216, 108310	4.9	21
82	A Review of Natural Language Processing in Medical Education. <i>Western Journal of Emergency Medicine</i> , 2019 , 20, 78-86	3.3	21
81	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	31.7	20
80	Automatic Detection of Opioid Intake Using Wearable Biosensor 2018 , 2018, 784-788		20
79	Ingestible Biosensors for Real-Time Medical Adherence Monitoring: MyTMed. <i>Annual Hawaii International Conference on System Sciences, Proceedings of the</i> , 2016 , 2016, 3416-3423	1.3	19
78	Emergency department text messaging for adolescent violence and depression prevention: A pilot randomized controlled trial. <i>Psychological Services</i> , 2018 , 15, 419-428	2.5	19

77	A review of toxic effects of electronic cigarettes/vaping in adolescents and young adults. <i>Critical Reviews in Toxicology</i> , 2020 , 50, 531-538	5.7	18
76	Over the influence: The HIV care continuum among methamphetamine-using men who have sex with men. <i>Drug and Alcohol Dependence</i> , 2018 , 192, 125-128	4.9	18
75	mHealth for the Detection and Intervention in Adolescent and Young Adult Substance Use Disorder. <i>Current Addiction Reports</i> , 2018 , 5, 110-119	3.9	17
74	Impact of Internet pharmacy regulation on opioid analgesic availability. <i>Journal of Studies on Alcohol and Drugs</i> , 2008 , 69, 703-8	1.9	17
73	Internet of Things Buttons for Real-Time Notifications in Hospital Operations: Proposal for Hospital Implementation. <i>Journal of Medical Internet Research</i> , 2018 , 20, e251	7.6	17
72	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, 1076029620943671	3.3	17
71	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	3.7	17
70	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, 1195-9	2.9	16
69	Music as an Adjunct to Opioid-Based Analgesia. <i>Journal of Medical Toxicology</i> , 2017 , 13, 249-254	2.6	16
68	Intersection of chronic pain treatment and opioid analgesic misuse: causes, treatments, and policy strategies. <i>Substance Abuse and Rehabilitation</i> , 2011 , 2, 145-62	5.5	15
67	Formative research for mhealth HIV adherence: the iHAART app. <i>Annual Hawaii International Conference on System Sciences, Proceedings of the</i> , 2015 , 2015, 2778-2785	1.3	14
66	Diazepam Inhibits Organophosphate-induced Central Respiratory Depression. <i>Academic Emergency Medicine</i> , 2003 , 10, 1303-1306	3.4	14
65	Case series: Adolescent victims of the vaping public health crisis with pulmonary complications. <i>Pediatric Pulmonology</i> , 2020 , 55, 1224-1236	3.5	13
64	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	2.6	12
63	"You got to love rosin: Solventless dabs, pure, clean, natural medicine." Exploring Twitter data on emerging trends in Rosin Tech marijuana concentrates. <i>Drug and Alcohol Dependence</i> , 2018 , 183, 248-252	4.9	12
62	"Retweet to Pass the Blunt": Analyzing Geographic and Content Features of Cannabis-Related Tweeting Across the United States. <i>Journal of Studies on Alcohol and Drugs</i> , 2017 , 78, 910-915	1.9	12
61	Machine Learning to Predict, Detect, and Intervene Older Adults Vulnerable for Adverse Drug Events in the Emergency Department. <i>Journal of Medical Toxicology</i> , 2018 , 14, 248-252	2.6	12
60	A New Mining Method to Detect Real Time Substance Use Events from Wearable Biosensor Data Stream 2017 , 2017, 465-470		10

59	Wearable Biosensors to Evaluate Recurrent Opioid Toxicity After Naloxone Administration: A Hilbert Transform Approach. <i>Annual Hawaii International Conference on System Sciences, Proceedings of the</i> , 2018 , 2018, 3247-3252	1.3	10
58	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	0.6	9
57	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	4.3	9
56	Self-Report Data on Regular Consumption of Illicit Drugs and HIV Risk Behaviors after Kratom (korth.) Initiation among Illicit Drug Users in Malaysia. <i>Journal of Psychoactive Drugs</i> , 2020 , 52, 138-144	3.6	8
55	Treatment of bacterial skin infections in ED observation units: factors influencing prescribing practice. <i>American Journal of Emergency Medicine</i> , 2015 , 33, 1780-5	2.9	7
54	Profiles of importance, readiness and confidence in quitting tobacco use. <i>Journal of Substance Use</i> , 2013 , 18, 75-81	0.8	7
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	7.6	7
52	The Role and Promise of Artificial Intelligence in Medical Toxicology. <i>Journal of Medical Toxicology</i> , 2020 , 16, 458-464	2.6	6
51	Faculty member writing groups support productivity. <i>Clinical Teacher</i> , 2019 , 16, 565-569	1.1	6
50	Recognition and Management of Pediatric Salt Toxicity. <i>Pediatric Emergency Care</i> , 2018 , 34, 820-824	1.4	6
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	1.6	5
48	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, 367-73	14.5	5
47	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	0.8	5
46	Factors Associated With Opioid Overdose After an Initial Opioid Prescription.. <i>JAMA Network Open</i> , 2022 , 5, e2145691	10.4	5
45	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	7.9	5
44	Rapid prototyping and clinical testing of a reusable face shield for health care workers responding to the COVID-19 pandemic 2020 ,		5
43	Assessment of the Acceptability and Feasibility of Using Mobile Robotic Systems for Patient Evaluation. <i>JAMA Network Open</i> , 2021 , 4, e210667	10.4	5
42	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	4.9	4

41	Epidemiological and Immunological Features of Obesity and SARS-CoV-2. <i>Viruses</i> , 2021 , 13,	6.2	4
40	Usability and Reliability of Smart Glasses for Secondary Triage During Mass Casualty Incidents. <i>Annual Hawaii International Conference on System Sciences, Proceedings of the</i> , 2018 , 2018, 1416-1422	1.3	4
39	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	2.3	3
38	Harmonizing Wearable Biosensor Data Streams to Test Polysubstance Detection 2020 , 2020, 445-449		3
37	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	3.4	3
36	The Impact of Music on Nociceptive Processing. <i>Pain Medicine</i> , 2020 , 21, 3047-3054	2.8	3
35	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	2.6	3
34	A Brief Music App to Address Pain in the Emergency Department: Prospective Study. <i>Journal of Medical Internet Research</i> , 2020 , 22, e18537	7.6	3
33	Epidemiological and immunological features of obesity and SARS-CoV-2 2020 ,		3
32	Acute and delayed toxicity from co-ingestion of methylene chloride and methanol. <i>Toxicology Communications</i> , 2019 , 3, 79-84	1.4	3
31	Toxic Ingestion of Acetaminophen and Acetylsalicylic Acid in a Parturient at 33 Weeks Gestation: A Case Report. <i>A&A Practice</i> , 2019 , 12, 302-304	0.8	3
30	Federal Funding in Emergency Medicine: Demographics and Perspectives of Awardees. <i>Western Journal of Emergency Medicine</i> , 2020 , 21, 304-312	3.3	2
29	Unsuspected Clenbuterol Toxicity in a Patient Using Intramuscular Testosterone. <i>Clinical Practice and Cases in Emergency Medicine</i> , 2017 , 1, 197-200	0.9	2
28	The Feasibility and Acceptability of a Smartphone-Based Music Intervention for Acute Pain. <i>Annual Hawaii International Conference on System Sciences, Proceedings of the</i> , 2019 , 2019, 3917-3925	1.3	2
27	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	2.5	2
26	Smartwatch biomarkers and the path to clinical use.. <i>Med</i> , 2021 , 2, 797-799	31.7	2
25	The Use of Benzodiazepines among Kratom (Korth.) Users. <i>Journal of Psychoactive Drugs</i> , 2020 , 52, 86-93	3.6	2
24	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> , 2021 ,	3.2	2

23	Accidental copper sulfate toxicity after flame colorant ingestion. <i>Clinical Toxicology</i> , 2017 , 55, 943-945	2.9	1
22	The Clinical Assessment of Vaping Exposure. <i>Journal of Addiction Medicine</i> , 2020 , 14, 446-450	3.8	1
21	Cryptomarket drug acquisition leading to furanyl fentanyl overdose. <i>Forensic Toxicology</i> , 2018 , 36, 534-536	5.6	1
20	Critique of "Kratom Use and Toxicities in the United States". <i>Pharmacotherapy</i> , 2019 , 39, 1119-1120	5.8	1
19	Canagliflozin-associated diabetic ketoacidosis: a case report. <i>Toxicology Communications</i> , 2017 , 1, 2-5	1.4	1
18	Conducting drug abuse investigations in natural environments: potential directions for medical toxicology research. <i>Journal of Medical Toxicology</i> , 2010 , 6, 56-62	2.6	1
17	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> , 2021 ,	3.1	1
16	Internet of Things Buttons for Real-time Notifications in Hospital Operations (Preprint)		1
15	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	2.9	1
14	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	6.4	1
13	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	6.4	1
12	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	0.6	1
11	Ingestible electronic sensors to measure instantaneous medication adherence: A narrative review.. <i>Digital Health</i> , 2022 , 8, 20552076221083119	4	1
10	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 , 1	4.3	0
9	Characterization of urinary protein profile in regular kratom (korth.) users in Malaysia. <i>Journal of Addictive Diseases</i> , 2021 , 1-12	1.7	0
8	In Response: What Happens When Algorithmic Music Meets Pain Medicine. <i>Pain Medicine</i> , 2020 , 21, 3737-3738	3.8	0
7	An Overview of Wireless Body Area Networks for Mobile Health Applications. <i>IEEE Network</i> , 2022 , 36, 76-82	11.4	0
6	Characterizing Trends in Synthetic Cannabinoid Receptor Agonist Use from Patient Clinical Evaluations during Medical Toxicology Consultation. <i>Journal of Psychoactive Drugs</i> , 2021 , 53, 207-214	3.6	

- 5 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, 192-6 2.6
- 4 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 ^{2,5}
- 3 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 ^{1,3}
- 2 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 ^{1,3}
- 1 A Multi-level Biosensor-based Epidemic Simulation Model for COVID-19. *IEEE Internet of Things Journal*, **2021**, 1-1 10.7