Albert Dahan

List of Publications by Year
in descending order

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406 papers	18,744 citations	12330 69 h-index	20358 116 g-index
486 all docs	486 docs citations	486 times ranked	13625 citing authors

#	Article	IF	Citations
1	Opioids and the Management of Chronic Severe Pain in the Elderly: Consensus Statement of an International Expert Panel with Focus on the Six Clinically Most Often Used World Health Organization step III Opioids (Buprenorphine, Fentanyl, Hydromorphone, Methadone, Morphine,) Tj ETQq1 1 0.784314 rgBT /Overloc	1.9	710
2	Incidence, Reversal, and Prevention of Opioid-induced Respiratory Depression. Anesthesiology, 2010, 112, 226-238.	2.5	503
3	Assessment and manifestation of central sensitisation across different chronic pain conditions. European Journal of Pain, 2018, 22, 216-241.	2.8	411
4	Ketamine produces effective and long-term pain relief in patients with Complex Regional Pain Syndrome Type 1. Pain, 2009, 145, 304-311.	4.2	375
5	Sex Differences in Morphine Analgesia. Anesthesiology, 2000, 93, 1245-1254.	2.5	367
6	Ketamine for chronic pain: risks and benefits. British Journal of Clinical Pharmacology, 2014, 77, 357-367.	2.4	344
7	The Ventilatory Response to Hypoxia in Mammals: Mechanisms, Measurement, and Analysis. Physiological Reviews, 2010, 90, 675-754.	28.8	309
8	Permutation entropy of the electroencephalogram: a measure of anaesthetic drug effect. British Journal of Anaesthesia, 2008, 101, 810-821.	3.4	303
9	Buprenorphine induces ceiling in respiratory depression but not in analgesia. British Journal of Anaesthesia, 2006, 96, 627-632.	3.4	287
10	Comparison of the respiratory effects of intravenous buprenorphine and fentanyl in humans and rats. British Journal of Anaesthesia, 2005, 94, 825-834.	3.4	269
11	Expression ofc-fos in the rat brainstem after exposure to hypoxia and to normoxic and hyperoxic hypercapnia. , 1997, 388, 169-190.		265
12	Assessment of middle cerebral artery diameter during hypocapnia and hypercapnia in humans using ultra-high-field MRI. Journal of Applied Physiology, 2014, 117, 1084-1089.	2.5	246
13	Current Knowledge of Buprenorphine and Its Unique Pharmacological Profile. Pain Practice, 2010, 10, 428-450.	1.9	244
14	Evaluation of surgical conditions during laparoscopic surgery in patients with moderate vs deep neuromuscular block. British Journal of Anaesthesia, 2014, 112, 498-505.	3.4	222
15	Gender Differences in Opioid-mediated Analgesia. Anesthesiology, 2000, 93, 539-547.	2.5	217
16	Melanocortin-1 receptor gene variants affect pain and Â-opioid analgesia in mice and humans. Journal of Medical Genetics, 2005, 42, 583-587.	3.2	215
17	Do sex differences exist in opioid analgesia? A systematic review and meta-analysis of human experimental and clinical studies. Pain, 2010, 151, 61-68.	4.2	200
18	Mice lacking multidrug resistance protein 3 show altered morphine pharmacokinetics and morphine-6-glucuronide antinociception. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7274-7279.	7.1	191

#	Article	IF	Citations
19	Tapentadol potentiates descending pain inhibition in chronic pain patients with diabetic polyneuropathy. British Journal of Anaesthesia, 2014, 113, 148-156.	3.4	173
20	Sex-related Differences in the Influence of Morphine on Ventilatory Control in HumansÂ. Anesthesiology, 1998, 88, 903-913.	2.5	165
21	Non-Analgesic Effects of Opioids: Opioid-induced Respiratory Depression. Current Pharmaceutical Design, 2012, 18, 5994-6004.	1.9	157
22	An experimental randomized study on the analgesic effects of pharmaceutical-grade cannabis in chronic pain patients with fibromyalgia. Pain, 2019, 160, 860-869.	4.2	156
23	Pharmacokinetic-Pharmacodynamic Modeling of Morphine-6-glucuronide-induced Analgesia in Healthy Volunteers. Anesthesiology, 2004, 100, 120-133.	2.5	152
24	Deep neuromuscular block to optimize surgical space conditions during laparoscopic surgery: a systematic review and meta-analysis. British Journal of Anaesthesia, 2017, 118, 834-842.	3.4	152
25	Differences between opioids: pharmacological, experimental, clinical and economical perspectives. British Journal of Clinical Pharmacology, 2013, 75, 60-78.	2.4	150
26	The Dynamic Relationship between End-tidal Sevoflurane and Isoflurane Concentrations and Bispectral Index and Spectral Edge Frequency of the ElectroencephalogramÂ. Anesthesiology, 1999, 90, 1345-1353.	2.5	147
27	Polymorphism of Î¼-Opioid Receptor Gene (OPRM1:c.118A>GÂ) Does Not Protect Against Opioid-induced Respiratory Depression despite Reduced Analgesic Response. Anesthesiology, 2005, 102, 522-530.	2.5	146
28	Response Surface Modeling of Remifentanilâ€“Propofol Interaction on Cardiorespiratory Control and Bispectral Index. Anesthesiology, 2003, 98, 312-322.	2.5	144
29	Naloxone treatment in opioid addiction: the risks and benefits. Expert Opinion on Drug Safety, 2007, 6, 125-132.	2.4	141
30	Anesthetic Potency and Influence of Morphine and Sevoflurane on Respiration in Î¼-Opioid Receptor Knockout Mice. Anesthesiology, 2001, 94, 824-832.	2.5	136
31	Sex-Specific Responses to Opiates: Animal and Human Studies. Anesthesia and Analgesia, 2008, 107, 83-95.	2.2	128
32	NMDA Receptor Antagonists for the Treatment of Neuropathic Pain. Pain Medicine, 2010, 11, 1726-1742.	1.9	126
33	The influence of oxygen on the ventilatory response to carbon dioxide in man.. Journal of Physiology, 1990, 428, 485-499.	2.9	125
34	Effect of Subanesthetic Ketamine on Intrinsic Functional Brain Connectivity. Anesthesiology, 2012, 117, 868-877.	2.5	123
35	The Involvement of the Î¼-Opioid Receptor in Ketamine-Induced Respiratory Depression and Antinociception. Anesthesia and Analgesia, 2001, 93, 1495-1500.	2.2	122
36	Pharmacodynamic Effect of Morphine-6-glucuronide versusÂ Morphine on Hypoxic and Hypercapnic Breathing in Healthy Volunteers. Anesthesiology, 2003, 99, 788-798.	2.5	118

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37	Drug-induced liver injury following a repeated course of ketamine treatment for chronic pain in CRPS type 1 patients: A report of 3 cases. Pain, 2011, 152, 2173-2178.	4.2	118
38	Perioperative management of obstructive sleep apnea in bariatric surgery: a consensus guideline. Surgery for Obesity and Related Diseases, 2017, 13, 1095-1109.	1.2	116
39	S(+)-ketamine Effect on Experimental Pain and Cardiac Output. Anesthesiology, 2009, 111, 892-903.	2.5	115
40	ARA 290, a Nonerythropoietic Peptide Engineered from Erythropoietin, Improves Metabolic Control and Neuropathic Symptoms in Patients with Type 2 Diabetes. Molecular Medicine, 2014, 20, 658-666.	4.4	115
41	Naloxone Reversal of Buprenorphine-induced Respiratory Depression. Anesthesiology, 2006, 105, 51-57.	2.5	114
42	Plasticity of Central Chemoreceptors: Effect of Bilateral Carotid Body Resection on Central CO2 Sensitivity. PLoS Medicine, 2007, 4, e239.	8.4	114
43	Bispectral Index Values and Spectral Edge Frequency at Different Stages of Physiologic Sleep. Anesthesia and Analgesia, 2002, 94, 125-129.	2.2	109
44	Opioid-induced respiratory depression in paediatrics: a review of case reports. British Journal of Anaesthesia, 2013, 110, 175-182.	3.4	109
45	Sex Differences in Morphine-induced Ventilatory Depression Reside within the Peripheral Chemoreflex LoopÂ. Anesthesiology, 1999, 90, 1329-1338.	2.5	108
46	Influence of anaesthesia and analgesia on the control of breathing. British Journal of Anaesthesia, 2003, 91, 40-49.	3.4	104
47	Pharmacokinetic-Pharmacodynamic Modeling of the Antinociceptive Effect of Buprenorphine and Fentanyl in Rats: Role of Receptor Equilibration Kinetics. Journal of Pharmacology and Experimental Therapeutics, 2005, 313, 1136-1149.	2.5	103
48	Improving detection of patient deterioration in the general hospital ward environment. European Journal of Anaesthesiology, 2018, 35, 325-333.	1.7	103
49	Ketamine for the treatment of chronic non-cancer pain. Expert Opinion on Pharmacotherapy, 2010, 11, 2417-2429.	1.8	102
50	The development of chronic pain: physiological CHANGE necessitates a multidisciplinary approach to treatment. Current Medical Research and Opinion, 2013, 29, 1127-1135.	1.9	101
51	Population pharmacokineticâ€"pharmacodynamic modeling of ketamineâ€induced pain relief of chronic pain. European Journal of Pain, 2011, 15, 258-267.	2.8	99
52	Effects of morphine and alcohol on functional brain connectivity during â€œresting stateâ€:A placeboâ€controlled crossover study in healthy young men. Human Brain Mapping, 2012, 33, 1003-1018.	3.6	98
53	Ability of the Nociception Level, a Multiparameter Composite of Autonomic Signals, to Detect Noxious Stimuli during Propofolâ€"Remifentanil Anesthesia. Anesthesiology, 2015, 123, 524-534.	2.5	97
54	Prediction of Opioid-Induced Respiratory Depression on Inpatient Wards Using Continuous Capnography and Oximetry: An International Prospective, Observational Trial. Anesthesia and Analgesia, 2020, 131, 1012-1024.	2.2	97

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55	Effects of Subanesthetic Halothane on the Ventilatory Responses to Hypercapnia and Acute Hypoxia in Healthy Volunteers. Anesthesiology, 1994, 80, 727-738.	2.5	94
56	Mechanism-based PK/PD Modeling of the Respiratory Depressant Effect of Buprenorphine and Fentanyl in Healthy Volunteers. Clinical Pharmacology and Therapeutics, 2007, 81, 50-58.	4.7	89
57	Safety and Efficacy of ARA 290 in Sarcoidosis Patients with Symptoms of Small Fiber Neuropathy: A Randomized, Double-Blind Pilot Study. Molecular Medicine, 2012, 18, 1430-1436.	4.4	89
58	Patient controlled analgesia with remifentanil versus epidural analgesia in labour: randomised multicentre equivalence trial. BMJ, The, 2015, 350, h846-h846.	6.0	85
59	Offset Analgesia in Neuropathic Pain Patients and Effect of Treatment with Morphine and Ketamine. Anesthesiology, 2011, 115, 1063-1071.	2.5	85
60	Cibinetide Improves Corneal Nerve Fiber Abundance in Patients With Sarcoidosis-Associated Small Nerve Fiber Loss and Neuropathic Pain. , 2017, 58, BIO52.		84
61	Opioid-induced respiratory effects: new data on buprenorphine. Palliative Medicine, 2006, 20, 3-8.	3.1	84
62	Mechanism of Action of an Epidural Top-Up in Combined Spinal Epidural Anesthesia. Anesthesia and Analgesia, 1996, 83, 382-386.	2.2	83
63	Comparison of morphine-6-glucuronide and morphine on respiratory depressant and antinociceptive responses in wild type and Ï¼-opioid receptor deficient mice. British Journal of Anaesthesia, 2003, 91, 862-870.	3.4	82
64	Averting Opioid-induced Respiratory Depression without Affecting Analgesia. Anesthesiology, 2018, 128, 1027-1037.	2.5	82
65	The ventilatory CO2 sensitivities from Read's rebreathing method and the steadyâ€state method are not equal in man.. Journal of Physiology, 1989, 411, 367-377.	2.9	81
66	Simultaneous Measurement and Integrated Analysis of Analgesia and Respiration after an Intravenous Morphine Infusion. Anesthesiology, 2004, 101, 1201-1209.	2.5	81
67	Effect of ketamine on endogenous pain modulation in healthy volunteers. Pain, 2011, 152, 656-663.	4.2	81
68	Alfentanil and Placebo Analgesia. Anesthesiology, 2005, 103, 130-139.	2.5	80
69	Deep Neuromuscular Block Improves Surgical Conditions during Bariatric Surgery and Reduces Postoperative Pain: A Randomized Double Blind Controlled Trial. PLoS ONE, 2016, 11, e0167907.	2.5	80
70	Influence of ketamine and morphine on descending pain modulation in chronic pain patients: a randomized placebo-controlled cross-over proof-of-concept study. British Journal of Anaesthesia, 2013, 110, 1010-1016.	3.4	79
71	ARA 290 Improves Symptoms in Patients with Sarcoidosis-Associated Small Nerve Fiber Loss and Increases Corneal Nerve Fiber Density. Molecular Medicine, 2013, 19, 334-345.	4.4	78
72	Opioid-induced respiratory depression in humans: a review of pharmacokineticâ€“pharmacodynamic modelling of reversal. British Journal of Anaesthesia, 2019, 122, e168-e179.	3.4	74

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73	Mechanism-based Pharmacokineticâ€“Pharmacodynamic Modeling of the Antinociceptive Effect of Buprenorphine in Healthy Volunteers. Anesthesiology, 2006, 104, 1232-1242.	2.5	71
74	Corneal nerve fiber size adds utility to the diagnosis and assessment of therapeutic response in patients with small fiber neuropathy. Scientific Reports, 2018, 8, 4734.	3.3	70
75	Acetazolamide and Breathing. American Journal of Respiratory and Critical Care Medicine, 1999, 160, 1592-1597.	5.6	68
76	Esketamine counters opioid-induced respiratory depression. British Journal of Anaesthesia, 2018, 120, 1117-1127.	3.4	68
77	Reduced postoperative pain using Nociception Level-guided fentanyl dosing during sevoflurane anaesthesia: a randomised controlled trial. British Journal of Anaesthesia, 2020, 125, 1070-1078.	3.4	68
78	Acute Pain and Central Nervous System Arousal Do Not Restore Impaired Hypoxic Ventilatory Response during Sevoflurane Sedation. Anesthesiology, 1996, 85, 295-303.	2.5	67
79	Influences of Morphine on the Ventilatory Response to Isocapnic HypoxiaÂ. Anesthesiology, 1997, 86, 1342-1349.	2.5	67
80	Opioid-induced respiratory depression: reversal by non-opioid drugs. F1000prime Reports, 2014, 6, 79.	5.9	67
81	Propofol for Monitored Anesthesia Care. Anesthesiology, 2000, 92, 46-46.	2.5	66
82	Response Surface Modeling of Alfentanil-Sevoflurane Interaction on Cardiorespiratory Control and Bispectral Index. Anesthesiology, 2001, 94, 982-991.	2.5	66
83	Functional biomarkers for the acute effects of alcohol on the central nervous system in healthy volunteers. British Journal of Clinical Pharmacology, 2011, 71, 331-350.	2.4	66
84	Absence of longâ€term analgesic effect from a shortâ€term Sâ€ketamine infusion on fibromyalgia pain: A randomized, prospective, double blind, active placeboâ€controlled trial. European Journal of Pain, 2011, 15, 942-949.	2.8	65
85	A randomised comparison of intravenous remifentanil patient-controlled analgesia with epidural ropivacaine/sufentanil during labour. International Journal of Obstetric Anesthesia, 2011, 20, 118-123.	0.4	65
86	Improvements in the application and reporting of advanced Blandâ€“Altman methods of comparison. Journal of Clinical Monitoring and Computing, 2015, 29, 127-139.	1.6	65
87	Morphine-6-Glucuronide: Morphine??s Successor for Postoperative Pain Relief?. Anesthesia and Analgesia, 2006, 102, 1789-1797.	2.2	64
88	Mechanism-Based Pharmacokinetic-Pharmacodynamic Modelling of the Reversal of Buprenorphine-Induced Respiratory Depression by Naloxone. Clinical Pharmacokinetics, 2007, 46, 965-980.	3.5	64
89	Naloxone Reversal of Morphine- and Morphine-6-Glucuronide-induced Respiratory Depression in Healthy Volunteers. Anesthesiology, 2010, 112, 1417-1427.	2.5	64
90	Association of Opioids and Sedatives with Increased Risk of In-Hospital Cardiopulmonary Arrest from an Administrative Database. PLoS ONE, 2016, 11, e0150214.	2.5	64

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91	Nociception-guided versus Standard Care during Remifentanilâ€“Propofol Anesthesia. Anesthesiology, 2019, 130, 745-755.	2.5	63
92	Pharmacokineticâ€“Pharmacodynamic Modeling of the Effectiveness and Safety of Buprenorphine and Fentanyl in Rats. Pharmaceutical Research, 2008, 25, 183-193.	3.5	62
93	The impact of â€œphysiological correctionâ€•on functional connectivity analysis of pharmacological resting state fMRI. NeuroImage, 2013, 65, 499-510.	4.2	62
94	Opioid-induced respiratory depression in the acute care setting: a compendium of case reports. Pain Management, 2014, 4, 317-325.	1.5	62
95	The Epidural "Top-Up" in Combined Spinal-Epidural Anesthesia. Anesthesia and Analgesia, 1999, 88, 810-814.	2.2	61
96	Opioid Prescription Patterns and Risk Factors Associated With Opioid Use in the Netherlands. JAMA Network Open, 2019, 2, e1910223.	5.9	58
97	Pharmacovigilance: A Review of Opioid-Induced Respiratory Depression in Chronic Pain Patients. Pain Physician, 2013, 2;16, E85-E94.	0.4	58
98	Biomarkers, designs, and interpretations of restingâ€state fMRI in translational pharmacological research: A review of stateâ€ofâ€theâ€Art, challenges, and opportunities for studying brain chemistry. Human Brain Mapping, 2017, 38, 2276-2325.	3.6	57
99	Modeling the Nonâ€“Steady State Respiratory Effects of Remifentanil in Awake and Propofol-sedated Healthy Volunteers. Anesthesiology, 2010, 112, 1382-1395.	2.5	54
100	Respiratory Sites of Action of Propofol. Anesthesiology, 2001, 95, 889-895.	2.5	53
101	Bispectral Index Values and Spectral Edge Frequency at Different Stages of Physiologic Sleep. Anesthesia and Analgesia, 2002, 94, 125-129.	2.2	52
102	Pharmacokinetic and pharmacodynamic considerations for NMDA receptor antagonists in the treatment of chronic neuropathic pain. Expert Opinion on Drug Metabolism and Toxicology, 2012, 8, 1409-1417.	3.3	52
103	Developmental Changes in Morphine Clearance Across the Entire Paediatric Age Range are Best Described by a Bodyweight-Dependent Exponent Model. Clinical Drug Investigation, 2013, 33, 523-534.	2.2	52
104	Does Subanesthetic Isqflurane Affect the Ventilatory Response to Acute Isocapnic Hypoxia in Healthy Volunteers?. Anesthesiology, 1994, 81, 860-867.	2.5	51
105	The Respiratory Response to Carbon Dioxide in Humans with Unilateral and Bilateral Resections of the Carotid Bodies. Journal of Physiology, 2003, 549, 965-973.	2.9	51
106	Influences of Subanesthetic Isoflurane on Ventilatory Control in Humans. Anesthesiology, 1995, 83, 478-490..	2.5	50
107	Acute and chronic fentanyl administration causes hyperalgesia independently of opioid receptor activity in mice. Neuroscience Letters, 2009, 462, 68-72.	2.1	50
108	Influence of Ethanol on Oxycodone-induced Respiratory Depression. Anesthesiology, 2017, 126, 534-542.	2.5	50

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109	Comorbidities and the Complexities of Chronic Pain. Anesthesiology, 2014, 121, 675-677.	2.5	50
110	Sdhd and Sdhd/H19 Knockout Mice Do Not Develop Paraganglioma or Pheochromocytoma. PLoS ONE, 2009, 4, e7987.	2.5	49
111	Nonselective and NR2B-selective NÂ-methyl-d-aspartic Acid Receptor Antagonists Produce Antinociception and Long-term Relief of Allodynia in Acute and Neuropathic Pain. Anesthesiology, 2011, 115, 165-174.	2.5	49
112	Respiratory Effects of the Nociceptin/Orphanin FQ Peptide and Opioid Receptor Agonist, Cebranopadol, in Healthy Human Volunteers. Anesthesiology, 2017, 126, 697-707.	2.5	49
113	Ventilatory Response to Hypoxia in Humans. Anesthesiology, 1996, 85, 60-68.	2.5	48
114	An observational study on the effect of S(+)â€ketamine on chronic pain versus experimental acute pain in Complex Regional Pain Syndrome type 1 patients. European Journal of Pain, 2010, 14, 302-307.	2.8	48
115	High-inspired oxygen concentration further impairs opioid-induced respiratory depression. British Journal of Anaesthesia, 2013, 110, 837-841.	3.4	48
116	Cornea nerve fiber quantification and construction of phenotypes in patients with fibromyalgia. Scientific Reports, 2016, 6, 23573.	3.3	48
117	Mixed-Effects Modeling of the Influence of Midazolam on Propofol Pharmacokinetics. Anesthesia and Analgesia, 2009, 108, 1522-1530.	2.2	47
118	Cell Salvage in Hip and Knee Arthroplasty. Journal of Bone and Joint Surgery - Series A, 2015, 97, 1012-1021.	3.0	47
119	The opioid fentanyl affects light input, electrical activity andPergene expression in the hamster suprachiasmatic nuclei. European Journal of Neuroscience, 2005, 21, 2958-2966.	2.6	46
120	Ketamine interactions with biomarkers of stress: A randomized placebo-controlled repeated measures resting-state fMRI and PCASL pilot study in healthy men. NeuroImage, 2015, 108, 396-409.	4.2	46
121	Respiratory Depression by Tramadol in the Cat. Anesthesiology, 2003, 98, 420-427.	2.5	45
122	Ketamine for pain. F1000Research, 2017, 6, 1711.	1.6	45
123	Deep neuromuscular blockade improves surgical conditions during low-pressure pneumoperitoneum laparoscopic donor nephrectomy. Surgical Endoscopy and Other Interventional Techniques, 2018, 32, 245-251.	2.4	45
124	Does nociception monitor-guided anesthesia affect opioid consumption? A systematic review of randomized controlled trials. Journal of Clinical Monitoring and Computing, 2020, 34, 629-641.	1.6	45
125	Effect of Rifampicin on S-ketamine and S-norketamine Plasma Concentrations in Healthy Volunteers after Intravenous S-ketamine Administration. Anesthesiology, 2011, 114, 1435-1445.	2.5	44
126	A novel approach to identify responder subgroups and predictors of response to lowâ€and highâ€dose capsaicin patches in postherpetic neuralgia. European Journal of Pain, 2013, 17, 1491-1501.	2.8	44

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127	ARA290, a Peptide Derived from the Tertiary Structure of Erythropoietin, Produces Long-term Relief of Neuropathic Pain. Anesthesiology, 2011, 115, 1084-1092.	2.5	44
128	Mechanism of Action of an Epidural Top-Up in Combined Spinal Epidural Anesthesia. Anesthesia and Analgesia, 1996, 83, 382-386.	2.2	43
129	Influence of Acute Pain Induced by Activation of Cutaneous Nociceptors on Ventilatory ControlÂ. Anesthesiology, 1997, 87, 289-296.	2.5	43
130	Influence of a Subanesthetic Concentration of Halothane on the Ventilatory Response to Step Changes into and out of Sustained Isocapnic Hypoxia in Healthy Volunteers. Anesthesiology, 1994, 81, 850-859.	2.5	42
131	Influence of 0.1 minimum alveolar concentration of sevoflurane, desflurane and isoflurane on dynamic ventilatory response to hypercapnia in humans. British Journal of Anaesthesia, 1998, 80, 174-182.	3.4	42
132	Morphineâ€6â€glucuronide (M6G) for postoperative pain relief. European Journal of Pain, 2008, 12, 403-411.	2.8	42
133	Influence of reduced carotid body drive during sustained hypoxia on hypoxic depression of ventilation in humans. Journal of Applied Physiology, 1996, 81, 565-572.	2.5	41
134	Effect of subanaesthetic ketamine on plasma and saliva cortisol secretion. British Journal of Anaesthesia, 2015, 115, 68-75.	3.4	41
135	Pharmacokinetic and pharmacodynamic considerations for NMDA-receptor antagonist ketamine in the treatment of chronic neuropathic pain: an update of the most recent literature. Expert Opinion on Drug Metabolism and Toxicology, 2019, 15, 1033-1041.	3.3	41
136	Two Studies on Reversal of Opioid-induced Respiratory Depression by BK-channel Blocker GAL021 in Human Volunteers. Anesthesiology, 2014, 121, 459-468.	2.5	40
137	Lumbar epidural catheter insertion. European Journal of Anaesthesiology, 2005, 22, 839-842.	1.7	39
138	Mechanism-Based Pharmacokinetic-Pharmacodynamic Modeling of the Respiratory-Depressant Effect of Buprenorphine and Fentanyl in Rats. Journal of Pharmacology and Experimental Therapeutics, 2006, 319, 682-692.	2.5	39
139	Pseudocontinuous Arterial Spin Labeling Reveals Dissociable Effects of Morphine and Alcohol on Regional Cerebral Blood Flow. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 1321-1333.	4.3	39
140	Safety of sugammadex for reversal of neuromuscular block. Expert Opinion on Drug Safety, 2019, 18, 883-891.	2.4	39
141	Benefit and Risk Evaluation of Biased Î¼-Receptor Agonist Oliceridine versus Morphine. Anesthesiology, 2020, 133, 559-568.	2.5	39
142	Influence of Morbid Obesity on the Pharmacokinetics of Morphine, Morphine-3-Glucuronide, and Morphine-6-Glucuronide. Clinical Pharmacokinetics, 2017, 56, 1577-1587.	3.5	38
143	Pharmacokineticâ€“pharmacodynamic modeling in acute and chronic pain: an overview of the recent literature. Expert Review of Clinical Pharmacology, 2011, 4, 719-728.	3.1	37
144	Pharmacokinetics and pharmacodynamics of sublingual sufentanil for postoperative pain management. Anaesthesia, 2018, 73, 231-237.	3.8	37

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145	Pharmacovigilance: a review of opioid-induced respiratory depression in chronic pain patients. Pain Physician, 2013, 16, E85-94.	0.4	37
146	Pharmacokinetic-Pharmacodynamic Modeling of the Respiratory Depressant Effect of Norbuprenorphine in Rats. Journal of Pharmacology and Experimental Therapeutics, 2007, 321, 598-607.	2.5	36
147	Fentanyl Utility Function. Anesthesiology, 2013, 119, 663-674.	2.5	36
148	Antioxidants prevent depression of the acute hypoxic ventilatory response by subanaesthetic halothane in men. Journal of Physiology, 2002, 544, 931-938.	2.9	35
149	Differences in maternal temperature during labour with remifentanil patient-controlled analgesia or epidural analgesia: a randomised controlled trial. International Journal of Obstetric Anesthesia, 2015, 24, 313-322.	0.4	35
150	Randomized Controlled Trial on the Influence of Intraoperative Remifentanil versus Fentanyl on Acute and Chronic Pain after Cardiac Surgery. Pain Practice, 2018, 18, 443-451.	1.9	35
151	Morphine-6Î²-glucuronide Rapidly Increases Pain Sensitivity Independently of Opioid Receptor Activity in Mice and Humans. Anesthesiology, 2009, 110, 1356-1363.	2.5	35
152	Estimation of the Contribution of Norketamine to Ketamine-induced Acute Pain Relief and Neurocognitive Impairment in Healthy Volunteers. Anesthesiology, 2012, 117, 353-364.	2.5	35
153	Animal-to-Human Extrapolation of the Pharmacokinetic and Pharmacodynamic Properties of Buprenorphine. Clinical Pharmacokinetics, 2007, 46, 433-447.	3.5	34
154	Morphine-6-glucuronide: potency and safety compared with morphine. Expert Opinion on Pharmacotherapy, 2008, 9, 1955-1961.	1.8	34
155	Pharmacodynamic analysis of the analgesic effect of capsaicin 8% patch (QutenzaTM) in diabetic neuropathic pain patients: detection of distinct response groups. Journal of Pain Research, 2012, 5, 51.	2.0	34
156	Ketamine for cancer pain: what is the evidence?. Current Opinion in Supportive and Palliative Care, 2017, 11, 88-92.	1.3	34
157	Propofol Reduces the Distribution and Clearance of Midazolam. Anesthesia and Analgesia, 2010, 110, 1597-1606.	2.2	33
158	ARA 290 for treatment of small fiber neuropathy in sarcoidosis. Expert Opinion on Investigational Drugs, 2014, 23, 541-550.	4.1	33
159	The influence of offset analgesia on the onset and offset of pain in patients with fibromyalgia. Pain, 2015, 156, 2521-2527.	4.2	33
160	Erythropoietin to reduce allogeneic red blood cell transfusion in patients undergoing total hip or knee arthroplasty. Vox Sanguinis, 2016, 111, 219-225.	1.5	33
161	Pain sensitivity and pain scoring in patients with morbid obesity. Surgery for Obesity and Related Diseases, 2017, 13, 788-795.	1.2	33
162	The Influence of Remifentanil on the Dynamic Relationship between Sevoflurane and Surrogate Anesthetic Effect Measures Derived from the EEG. Anesthesiology, 2002, 96, 555-564.	2.5	32

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163	A retrospective study on persistent pain after childbirth in the Netherlands. Journal of Pain Research, 2016, 9, 1.	2.0	32
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