

# Katharina M Rentsch

## List of Publications by Year in descending order

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Version: 2024-02-01

101  
papers

4,663  
citations

117625

34  
h-index

106344

65  
g-index

103  
all docs

103  
docs citations

103  
times ranked

4861  
citing authors

#	ARTICLE	IF	CITATIONS
1	Determinants of SARS-CoV-2 transmission to guide vaccination strategy in an urban area. <i>Virus Evolution</i> , 2022, 8, veac002.	4.9	7
2	Impact of busulfan pharmacokinetics on outcome in adult patients receiving an allogeneic hematopoietic cell transplantation. <i>Bone Marrow Transplantation</i> , 2022, 57, 903-910.	2.4	11
3	Clinical utility of inflammatory biomarkers in COVID-19 in direct comparison to other respiratory infections – A prospective cohort study. <i>PLoS ONE</i> , 2022, 17, e0269005.	2.5	18
4	Wide awake at bedtime? Effects of caffeine on sleep and circadian timing in male adolescents – A randomized crossover trial. <i>Biochemical Pharmacology</i> , 2021, 191, 114283.	4.4	13
5	Early kinetics of cardiac troponin in suspected acute myocardial infarction. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2021, 74, 502-509.	0.6	5
6	Epidemiology and precision of SARS-CoV-2 detection following lockdown and relaxation measures. <i>Journal of Medical Virology</i> , 2021, 93, 2374-2384.	5.0	20
7	Ketamine vs. haloperidol for prevention of cognitive dysfunction and postoperative delirium: A phase IV multicentre randomised placebo-controlled double-blind clinical trial. <i>Journal of Clinical Anesthesia</i> , 2021, 68, 110099.	1.6	35
8	Accuracy of urine flow cytometry and urine test strip in predicting relevant bacteriuria in different patient populations. <i>BMC Infectious Diseases</i> , 2021, 21, 209.	2.9	2
9	Systematic screening on admission for SARS-CoV-2 to detect asymptomatic infections. <i>Antimicrobial Resistance and Infection Control</i> , 2021, 10, 44.	4.1	17
10	Insufficient Stability of Clavulanic Acid in Widely Used Child-Appropriate Formulations. <i>Antibiotics</i> , 2021, 10, 225.	3.7	4
11	The impact of daily caffeine intake on nighttime sleep in young adult men. <i>Scientific Reports</i> , 2021, 11, 4668.	3.3	17
12	Disposition Decision Support by Laboratory Based Outcome Prediction. <i>Journal of Clinical Medicine</i> , 2021, 10, 939.	2.4	3
13	Prevalence and outcome of dysnatremia in patients with COVID-19 compared to controls. <i>European Journal of Endocrinology</i> , 2021, 184, 409-418.	3.7	37
14	Probability of pharmacological target attainment with flucloxacillin in <i>Staphylococcus aureus</i> bloodstream infection: a prospective cohort study of unbound plasma and individual MICs. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 1845-1854.	3.0	13
15	Regular Caffeine Intake Delays REM Sleep Promotion and Attenuates Sleep Quality in Healthy Men. <i>Journal of Biological Rhythms</i> , 2021, 36, 384-394.	2.6	12
16	Comparison of Acute Kidney Injury in Patients with COVID-19 and Other Respiratory Infections: A Prospective Cohort Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 2288.	2.4	4
17	Comparing Immunoassays for SARS-CoV-2 Antibody Detection in Patients with and without Laboratory-Confirmed SARS-CoV-2 Infection. <i>Journal of Clinical Microbiology</i> , 2021, 59, e0138121.	3.9	16
18	Incidence of major adverse cardiac events following non-cardiac surgery. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2021, 10, 550-558.	1.0	46

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19	Corrigendum to: Epidemiology of Severe Acute Respiratory Syndrome Coronavirus 2 Emergence Amidst Community-Acquired Respiratory Viruses. <i>Journal of Infectious Diseases</i> , 2021, 223, 734-735.	4.0	1
20	Time to Recover From Daily Caffeine Intake. <i>Frontiers in Nutrition</i> , 2021, 8, 787225.	3.7	7
21	A 2D HPLC-MS/MS method for several antibiotics in blood plasma, plasma water, and diverse tissue samples. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 715-725.	3.7	19
22	Caffeine-dependent changes of sleep-wake regulation: Evidence for adaptation after repeated intake. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2020, 99, 109851.	4.8	21
23	Drug Exposure in Newborns: Effect of Selected Drugs Prescribed to Mothers During Pregnancy and Lactation. <i>Therapeutic Drug Monitoring</i> , 2020, 42, 255-263.	2.0	13
24	Epidemiology of Severe Acute Respiratory Syndrome Coronavirus 2 Emergence Amidst Community-Acquired Respiratory Viruses. <i>Journal of Infectious Diseases</i> , 2020, 222, 1270-1279.	4.0	64
25	Memory CD8+ T Cells Balance Pro- and Anti-inflammatory Activity by Reprogramming Cellular Acetate Handling at Sites of Infection. <i>Cell Metabolism</i> , 2020, 32, 457-467.e5.	16.2	37
26	Copeptin Kinetics and Its Relationship to Osmolality During Rehydration for Diabetic Ketoacidosis in Children. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e4169-e4178.	3.6	3
27	LC-MS/MS method for nine different antibiotics. <i>Clinica Chimica Acta</i> , 2020, 511, 360-367.	1.1	18
28	Brief validation of the novel GeneXpert Xpress SARS-CoV-2 PCR assay. <i>Journal of Virological Methods</i> , 2020, 284, 113925.	2.1	36
29	HILIC LC-MS/MS method for the quantification of cefepime, imipenem and meropenem. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 186, 113289.	2.8	26
30	Clinical Utility of Procalcitonin in the Diagnosis of Pneumonia. <i>Clinical Chemistry</i> , 2019, 65, 1532-1542.	3.2	37
31	Danger of Herbal Tea: A Case of Acute Cholestatic Hepatitis Due to Artemisia annua Tea. <i>Frontiers in Medicine</i> , 2019, 6, 221.	2.6	15
32	Predicting Acute Myocardial Infarction with a Single Blood Draw. <i>Clinical Chemistry</i> , 2019, 65, 437-450.	3.2	7
33	Clinical Use of a New High-Sensitivity Cardiac Troponin I Assay in Patients with Suspected Myocardial Infarction. <i>Clinical Chemistry</i> , 2019, 65, 1426-1436.	3.2	41
34	Two-Hour Algorithm for Rapid Triage of Suspected Acute Myocardial Infarction Using a High-Sensitivity Cardiac Troponin I Assay. <i>Clinical Chemistry</i> , 2019, 65, 1437-1447.	3.2	36
35	High-Sensitivity Cardiac Troponin I Assay for Early Diagnosis of Acute Myocardial Infarction. <i>Clinical Chemistry</i> , 2019, 65, 893-904.	3.2	59
36	Prospective validation of N-terminal pro B-type natriuretic peptide cut-off concentrations for the diagnosis of acute heart failure. <i>European Journal of Heart Failure</i> , 2019, 21, 813-815.	7.1	10

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37	Relative hypochromia and mortality in acute heart failure. <i>International Journal of Cardiology</i> , 2019, 286, 104-110.	1.7	11
38	Clinical utility of circulating interleukin-6 concentrations in the detection of functionally relevant coronary artery disease. <i>International Journal of Cardiology</i> , 2019, 275, 20-25.	1.7	10
39	Inflammatory Biomarkers and Clinical Judgment in the Emergency Diagnosis of Urgent Abdominal Pain. <i>Clinical Chemistry</i> , 2019, 65, 302-312.	3.2	7
40	Daytime variation of perioperative myocardial injury in non-cardiac surgery and effect on outcome. <i>Heart</i> , 2019, 105, 826-833.	2.9	11
41	Combining High-Sensitivity Cardiac Troponin I and Cardiac Troponin T in the Early Diagnosis of Acute Myocardial Infarction. <i>Circulation</i> , 2018, 138, 989-999.	1.6	56
42	Effect of Acute Coronary Syndrome Probability on Diagnostic and Prognostic Performance of High-Sensitivity Cardiac Troponin. <i>Clinical Chemistry</i> , 2018, 64, 515-525.	3.2	5
43	IFN $\beta$ 3/4 locus polymorphisms and IFN $\beta$ 3 circulating levels are associated with COPD severity and outcomes. <i>BMC Pulmonary Medicine</i> , 2018, 18, 51.	2.0	12
44	Development and validation of an LC-MS/MS method to quantify lysergic acid diethylamide (LSD), iso-LSD, 2 $\alpha$ -hydroxy-LSD, and nor-LSD and identify novel metabolites in plasma samples in a controlled clinical trial. <i>Journal of Clinical Laboratory Analysis</i> , 2018, 32, .	2.1	23
45	Prospective Validation of a Biomarker-Based Rule Out Strategy for Functionally Relevant Coronary Artery Disease. <i>Clinical Chemistry</i> , 2018, 64, 386-395.	3.2	30
46	0/1-Hour Triage Algorithm for Myocardial Infarction in Patients With Renal Dysfunction. <i>Circulation</i> , 2018, 137, 436-451.	1.6	110
47	Impact of age on the performance of the ESC 0/1h-algorithms for early diagnosis of myocardial infarction. <i>European Heart Journal</i> , 2018, 39, 3780-3794.	2.2	78
48	Clinical Validation of a Novel High-Sensitivity Cardiac Troponin I Assay for Early Diagnosis of Acute Myocardial Infarction. <i>Clinical Chemistry</i> , 2018, 64, 1347-1360.	3.2	110
49	Prospective validation of prognostic and diagnostic syncope scores in the emergency department. <i>International Journal of Cardiology</i> , 2018, 269, 114-121.	1.7	18
50	Comparison of high-sensitivity cardiac troponin I and T for the prediction of cardiac complications after non-cardiac surgery. <i>American Heart Journal</i> , 2018, 203, 67-73.	2.7	31
51	Direct Comparison of Cardiac Troponin T and I Using a Uniform and a Sex-Specific Approach in the Detection of Functionally Relevant Coronary Artery Disease. <i>Clinical Chemistry</i> , 2018, 64, 1596-1606.	3.2	19
52	Direct Comparison of the 0/1h and 0/3h Algorithms for Early Rule-Out of Acute Myocardial Infarction. <i>Circulation</i> , 2018, 137, 2536-2538.	1.6	48
53	Pharmacokinetics and Pharmacodynamics of Lysergic Acid Diethylamide in Healthy Subjects. <i>Clinical Pharmacokinetics</i> , 2017, 56, 1219-1230.	3.5	96
54	Direct Comparison of 4 Very Early Rule-Out Strategies for Acute Myocardial Infarction Using High-Sensitivity Cardiac Troponin I. <i>Circulation</i> , 2017, 135, 1597-1611.	1.6	138

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55	Early diagnosis of acute myocardial infarction in patients with mild elevations of cardiac troponin. <i>Clinical Research in Cardiology</i> , 2017, 106, 457-467.	3.3	35
56	Evaluation of two novel chemiluminescence immunoassays for the detection of <i>Clostridium difficile</i> glutamate dehydrogenase and toxin A&B. <i>Journal of Microbiological Methods</i> , 2017, 135, 63-65.	1.6	2
57	Direct Comparison of 2 Rule-Out Strategies for Acute Myocardial Infarction: 2-h Accelerated Diagnostic Protocol vs 2-h Algorithm. <i>Clinical Chemistry</i> , 2017, 63, 1227-1236.	3.2	35
58	An algorithm for rule-in and rule-out of acute myocardial infarction using a novel troponin I assay. <i>Heart</i> , 2017, 103, 125-131.	2.9	18
59	Direct Comparison of Cardiac Myosin-Binding Protein C With Cardiac Troponins for the Early Diagnosis of Acute Myocardial Infarction. <i>Circulation</i> , 2017, 136, 1495-1508.	1.6	63
60	Mistaking 2C-P for 2C-B: What a Difference a Letter Makes. <i>Journal of Analytical Toxicology</i> , 2017, 41, 77-79.	2.8	16
61	Impact of haemoconcentration during acute heart failure therapy on mortality and its relationship with worsening renal function. <i>European Journal of Heart Failure</i> , 2017, 19, 226-236.	7.1	63
62	Prohormones in the Early Diagnosis of Cardiac Syncope. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	16
63	Prospective evaluation of stress in patients with newly diagnosed glioblastoma and in a close partner (TOGETHER-study).. <i>Journal of Clinical Oncology</i> , 2017, 35, e13524-e13524.	1.6	1
64	Serum 25-hydroxyvitamin D levels and intramuscular vitamin D3 supplementation among Eritrean migrants recently arrived in Switzerland. <i>Swiss Medical Weekly</i> , 2017, 147, w14568.	1.6	4
65	Topical Timolol for Infantile Hemangiomas: Evidence for Efficacy and Degree of Systemic Absorption. <i>Pediatric Dermatology</i> , 2016, 33, 184-190.	0.9	49
66	Clinical impact of the 2010-2012 low-end shift of high-sensitivity cardiac troponin T. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2016, 5, 399-408.	1.0	20
67	Safety and efficacy of the 0 h/3 h protocol for rapid rule out of myocardial infarction. <i>American Heart Journal</i> , 2016, 181, 16-25.	2.7	63
68	Clinical Effect of Sex-Specific Cutoff Values of High-Sensitivity Cardiac Troponin T in Suspected Myocardial Infarction. <i>JAMA Cardiology</i> , 2016, 1, 912.	6.1	75
69	Postmortem computed tomography and magnetic resonance imaging facilitates forensic autopsy in a fatal case of poisoning with formic acid, diphenhydramine, and ethanol. <i>Forensic Science, Medicine, and Pathology</i> , 2016, 12, 304-311.	1.4	6
70	Presentations due to acute toxicity of psychoactive substances in an urban emergency department in Switzerland: a case series. <i>BMC Pharmacology &amp; Toxicology</i> , 2016, 17, 25.	2.4	17
71	Two-Hour Algorithm for Triage toward Rule-Out and Rule-In of Acute Myocardial Infarction by Use of High-Sensitivity Cardiac Troponin I. <i>Clinical Chemistry</i> , 2016, 62, 494-504.	3.2	95
72	Incidence and Predictors of Cardiomyocyte Injury in Elective Coronary Angiography. <i>American Journal of Medicine</i> , 2016, 129, 537.e1-537.e8.	1.5	4

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73	Clinical benefit of high-sensitivity cardiac troponin I in the detection of exercise-induced myocardial ischemia. <i>American Heart Journal</i> , 2016, 173, 8-17.	2.7	55
74	Direct comparison of cardiac troponin I and cardiac troponin T in the detection of exercise-induced myocardial ischemia. <i>Clinical Biochemistry</i> , 2016, 49, 421-432.	1.9	21
75	One-hour rule-in and rule-out of acute myocardial infarction using high-sensitivity cardiac troponin I. <i>American Heart Journal</i> , 2016, 171, 92-102.e5.	2.7	102
76	Pharmacokinetics and Concentration-Effect Relationship of Oral LSD in Humans. <i>International Journal of Neuropsychopharmacology</i> , 2016, 19, pyv072.	2.1	75
77	Impact of high-sensitivity cardiac troponin on use of coronary angiography, cardiac stress testing, and time to discharge in suspected acute myocardial infarction. <i>European Heart Journal</i> , 2016, 37, 3324-3332.	2.2	132
78	Delayed release of brain natriuretic peptide to identify myocardial ischaemia. <i>European Journal of Clinical Investigation</i> , 2015, 45, 1175-1183.	3.4	9
79	Mannose-binding lectin protein and its association to clinical outcomes in COPD: a longitudinal study. <i>Respiratory Research</i> , 2015, 16, 150.	3.6	18
80	Early rule-out and rule-in of myocardial infarction using sensitive cardiac Troponin I. <i>International Journal of Cardiology</i> , 2015, 195, 163-170.	1.7	31
81	Accelerated diagnostic protocol using high-sensitivity cardiac troponin T in acute chest pain patients. <i>International Journal of Cardiology</i> , 2015, 184, 208-215.	1.7	46
82	Evaluation of the effect of short-term treatment with the integrase inhibitor raltegravir (Isentress <sup>®</sup> ) on the course of progressive feline leukemia virus infection. <i>Veterinary Microbiology</i> , 2015, 175, 167-178.	1.9	17
83	Incremental Value of a Single High-sensitivity Cardiac Troponin I Measurement to Rule Out Myocardial Ischemia. <i>American Journal of Medicine</i> , 2015, 128, 638-646.	1.5	31
84	Incremental value of copeptin to highly sensitive cardiac Troponin I for rapid rule-out of myocardial infarction. <i>International Journal of Cardiology</i> , 2015, 190, 170-176.	1.7	44
85	Effects of hemolysis on the diagnostic accuracy of cardiac troponin I for the diagnosis of myocardial infarction. <i>International Journal of Cardiology</i> , 2015, 187, 313-315.	1.7	8
86	Development and validation of a rapid turboflow LC-MS/MS method for the quantification of LSD and 2-oxo-3-hydroxy LSD in serum and urine samples of emergency toxicological cases. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 1577-1584.	3.7	35
87	Prospective validation of a 1-hour algorithm to rule-out and rule-in acute myocardial infarction using a high-sensitivity cardiac troponin T assay. <i>Cmaj</i> , 2015, 187, E243-E252.	2.0	195
88	Misdiagnosis of Myocardial Infarction Related to Limitations of the Current Regulatory Approach to Define Clinical Decision Values for Cardiac Troponin. <i>Circulation</i> , 2015, 131, 2032-2040.	1.6	111
89	Optimal Cutoff Levels of More Sensitive Cardiac Troponin Assays for the Early Diagnosis of Myocardial Infarction in Patients With Renal Dysfunction. <i>Circulation</i> , 2015, 131, 2041-2050.	1.6	174
90	One-hour Rule-in and Rule-out of Acute Myocardial Infarction Using High-sensitivity Cardiac Troponin I. <i>American Journal of Medicine</i> , 2015, 128, 861-870.e4.	1.5	174

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91	Optimizing Early Rule-Out Strategies for Acute Myocardial Infarction: Utility of 1-Hour Copeptin. <i>Clinical Chemistry</i> , 2015, 61, 1466-1474.	3.2	14
92	Prediction of mortality using quantification of renal function in acute heart failure. <i>International Journal of Cardiology</i> , 2015, 201, 650-657.	1.7	20
93	Two-hour Algorithm for Triage Toward Rule-out and Rule-in of Acute Myocardial Infarction Using High-sensitivity Cardiac Troponin T. <i>American Journal of Medicine</i> , 2015, 128, 369-379.e4.	1.5	121
94	An update on therapeutic drug monitoring and pharmacogenetic testing for the optimization of therapy with psychiatric medication. <i>Laboratoriums Medizin</i> , 2015, 38, .	0.6	0
95	Acute health problems due to recreational drug use in patients presenting to an urban emergency department in Switzerland. <i>Swiss Medical Weekly</i> , 2015, 145, w14166.	1.6	31
96	Direct comparison of high-sensitivity-cardiac troponin I vs. T for the early diagnosis of acute myocardial infarction. <i>European Heart Journal</i> , 2014, 35, 2303-2311.	2.2	166
97	Reduced-intensity conditioning and HLA-matched haemopoietic stem-cell transplantation in patients with chronic granulomatous disease: a prospective multicentre study. <i>Lancet, The</i> , 2014, 383, 436-448.	13.7	322
98	B-type Natriuretic Peptide and Clinical Judgment in the Detection of Exercise-induced Myocardial Ischemia. <i>American Journal of Medicine</i> , 2014, 127, 427-435.	1.5	18
99	Monographs on drugs which are frequently analyzed in therapeutic drug monitoring/Arzneimittel-Monographien für Medikamente, die regelmäßig im Rahmen des Therapeutic Drug Monitorings analysiert werden. <i>Laboratoriums Medizin</i> , 2012, 36, .	0.6	0
100	Arterial and venous pharmacokinetics of intravenous heroin in subjects who are addicted to narcotics. <i>Clinical Pharmacology and Therapeutics</i> , 2001, 70, 237-246.	4.7	52
101	St John's Wort induces intestinal P-glycoprotein/MDR1 and intestinal and hepatic CYP3A4. <i>Clinical Pharmacology and Therapeutics</i> , 2000, 68, 598-604.	4.7	515