

Robina Matyal

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8563512/robina-matyal-publications-by-year.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

1,245
citations

20
h-index

31
g-index

123
ext. papers

1,576
ext. citations

2.5
avg, IF

4.38
L-index

#	Paper	IF	Citations
112	In Response.. <i>Anesthesia and Analgesia</i> , 2022 , 134, e6-e7	3.9	
111	Enhanced Post-Operative Recovery with Continuous Peripheral Nerve Block After Lower Extremity Amputation. <i>Annals of Vascular Surgery</i> , 2021 , 76, 399-405	1.7	0
110	Simplified Algorithm for Evaluation of Perioperative Hypoxia and Hypotension (SALVATION): A Practical Echo-guided Approach Proposal. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021 , 35, 2273-2282	2.1	2
109	Erector Spinae Block: Questions answered, more questions raised. <i>Annals of Thoracic Surgery</i> , 2021 ,	2.7	
108	Protocolized Based Management of Cerebrospinal Fluid Drains in Thoracic Endovascular Aortic Aneurysm Repair Procedures. <i>Annals of Vascular Surgery</i> , 2021 , 72, 409-418	1.7	2
107	Workflow of Ultrasound-Guided Arterial Access. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021 , 35, 1611-1617	2.1	3
106	Cardiopulmonary Bypass Suppresses Forkhead Box O3 and Downstream Autophagy in the Diabetic Human Heart. <i>Annals of Thoracic Surgery</i> , 2021 , 111, 937-944	2.7	1
105	Analysis of Kinematic Differences in Hand Motion between Novice and Experienced Operators in IR: A Pilot Study. <i>Journal of Vascular and Interventional Radiology</i> , 2021 , 32, 226-234	2.4	
104	Salvation Through Evolution. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021 , 35, 3849-3850	2.1	
103	Regional Anaesthesia for Lower Extremity Amputation is Associated with Reduced Post-operative Complications Compared with General Anaesthesia. <i>European Journal of Vascular and Endovascular Surgery</i> , 2021 , 62, 476-484	2.3	0
102	Update: Gender differences in CABG outcomes-Have we bridged the gap?. <i>PLoS ONE</i> , 2021 , 16, e0255170	2.7	0
101	Erector Spinae Plane Block-Block of Choice for Video-Assisted Thoracic Surgery?. <i>Annals of Thoracic Surgery</i> , 2021 , 112, 1037-1038	2.7	2
100	Neuropeptide Y incorporated into PVAX nanoparticle improves angiogenesis in a murine model of myocardial ischemia. <i>European Journal of Pharmacology</i> , 2020 , 882, 173261	5.3	4
99	Impact of Left Atrial Appendage Exclusion on Short-Term Outcomes in Isolated Coronary Artery Bypass Graft Surgery. <i>Circulation</i> , 2020 , 142, 20-28	16.7	8
98	Ischemic Mitral Regurgitation: To Fix or Not to Fix. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020 , 34, 2532-2535	2.1	0
97	Artificial Intelligence for Dynamic Echocardiographic Tricuspid Valve Analysis: A New Tool in Echocardiography. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020 , 34, 2703-2706	2.1	5
96	Artificial Intelligence-Based Assessment of Indices of Right Ventricular Function. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020 , 34, 2698-2702	2.1	5

95	Tool to improve qualitative assessment of left ventricular systolic function. <i>Echo Research and Practice</i> , 2020 , 7, 1-8	2	1
94	Use of Erector Spinae Plane Block in Thoracic Surgery Leads to Rapid Recovery From Anesthesia. <i>Annals of Thoracic Surgery</i> , 2020 , 110, 1153-1159	2.7	9
93	Immediate Preoperative Transthoracic Echocardiography for the Prediction of Postoperative Atrial Fibrillation in High-Risk Cardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020 , 34, 719-725	2.1	7
92	Role of Ultrasound-Guided Evaluation of Dyspnea in the Coronavirus Disease 2019 Pandemic. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020 , 34, 3197-3202	2.1	
91	Handheld Point-of-Care Ultrasound Probes: The New Generation of POCUS. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020 , 34, 3139-3145	2.1	35
90	A 3-Dimensionally Printed, High-Fidelity Ultrasound-Guided Pericardiocentesis Training Model. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020 , 34, 245-247	2.1	5
89	Ultrasound Guidance for Central Venous Access: Current Evidence and Clinical Recommendations. <i>Journal of Intensive Care Medicine</i> , 2020 , 35, 303-321	3.3	15
88	Use of 3-Dimensional Printing to Create Patient-Specific Abdominal Aortic Aneurysm Models for Preoperative Planning. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019 , 33, 1442-1446	2.1	9
87	Dynamic Left Ventricular Outflow Tract Obstruction in the Setting of Acute Myocardial Infarction. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019 , 33, 3423-3426	2.1	1
86	Diastolic dysfunction - What an anesthesiologist needs to know?. <i>Baillieres Best Practice and Research in Clinical Anaesthesiology</i> , 2019 , 33, 221-228	4	2
85	Impact of left ventricular outflow tract flow acceleration on aortic valve area calculation in patients with aortic stenosis. <i>Echo Research and Practice</i> , 2019 , 6, 97-103	2	1
84	Three-Dimensional Printing and Transesophageal Echocardiographic Imaging of Patient-Specific Mitral Valve Models in a Pulsatile Phantom Model. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019 , 33, 3469-3475	2.1	4
83	Point-of-Care Thromboelastography for Intrathecal Drain Management in Patients With Coagulopathy and Thoracic Aorta Surgery: A Case Report. <i>A&A Practice</i> , 2019 , 13, 464-467	0.8	
82	Decreased PGC-1 β Post-Cardiopulmonary Bypass Leads to Impaired Oxidative Stress in Diabetic Patients. <i>Annals of Thoracic Surgery</i> , 2019 , 107, 467-476	2.7	5
81	Training Surgical Residents for Ultrasound-Guided Assessment and Management of Unstable Patients. <i>Journal of Surgical Education</i> , 2019 , 76, 540-547	3.4	2
80	Faculty-Focused Perioperative Ultrasound Training Program: A Single-Center Experience. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019 , 33, 1037-1043	2.1	6
79	Simulator-Based Training of Workflow in Echocardiography. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019 , 33, 1533-1539	2.1	4
78	Ultrasound-guided Intravenous Line Placement Course for Certified Registered Nurse Anesthetists: A Necessary Next Step. <i>AANA Journal</i> , 2019 , 87, 269-275	0.5	1

77	Summative Objective Structured Clinical Examination Assessment at the End of Anesthesia Residency for Perioperative Ultrasound. <i>Anesthesia and Analgesia</i> , 2018 , 126, 2065-2068	3.9	8
76	Augmented Reality and Ultrasound Education: Initial Experience. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2018 , 32, 1363-1367	2.1	27
75	Vendor-Neutral Right Ventricular Strain Measurement. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2018 , 32, 1759-1767	2.1	8
74	Systolic Anterior Motion after Myocardial Revascularization-The Unusual Suspect. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2018 , 32, 1825-1827	2.1	
73	Multifactorial risk index for prediction of intraoperative blood transfusion in endovascular aneurysm repair. <i>Journal of Vascular Surgery</i> , 2018 , 67, 778-784	3.5	2
72	Low-cost three-dimensional printed phantom for neuraxial anesthesia training: Development and comparison to a commercial model. <i>PLoS ONE</i> , 2018 , 13, e0191664	3.7	14
71	Aortic Valve Area-Technical Communication: Continuity and Gorlin Equations Revisited. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2018 , 32, 2599-2606	2.1	3
70	Evaluation of the quality of transesophageal echocardiography images and verification of proficiency. <i>Echo Research and Practice</i> , 2018 , 5, 89-95	2	2
69	Mechanical discordance between left atrium and left atrial appendage. <i>Annals of Cardiac Anaesthesia</i> , 2018 , 21, 82-84	1.3	
68	Intraoperative Echocardiographic Assessment of Prosthetic Valves: A Practical Approach. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2018 , 32, 823-837	2.1	2
67	A preoperative risk score for transfusion in infrarenal endovascular aneurysm repair to avoid type and cross. <i>Journal of Vascular Surgery</i> , 2018 , 67, 442-448	3.5	4
66	A Second Look at Dilatation of the Ascending Aorta. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2017 , 31, 1535-1537	2.1	
65	Changes in Tricuspid Annular Geometry in Patients with Functional Tricuspid Regurgitation. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2017 , 31, 2106-2114	2.1	6
64	Neuropeptide Y incorporated into PVAX nanoparticle improves functional blood flow in a murine model of hind limb ischemia. <i>Journal of Applied Physiology</i> , 2017 , 122, 1388-1397	3.7	8
63	Regional Heterogeneity in the Mitral Valve Apparatus in Patients With Ischemic Mitral Regurgitation. <i>Annals of Thoracic Surgery</i> , 2017 , 103, 1171-1177	2.7	4
62	Intraoperative Challenges in the Management of Biventricular Failure in Takotsubo Cardiomyopathy. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2017 , 31, 1318-1321	2.1	
61	Artificial intelligence in mitral valve analysis. <i>Annals of Cardiac Anaesthesia</i> , 2017 , 20, 129-134	1.3	33
60	Dynamic Three-Dimensional Geometry of the Aortic Valve Apparatus-A Feasibility Study. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2017 , 31, 1290-1300	2.1	3

59	Mitochondrial Dysfunction in Atrial Tissue of Patients Developing Postoperative Atrial Fibrillation. <i>Annals of Thoracic Surgery</i> , 2017 , 104, 1547-1555	2.7	21
58	Assessment of Perioperative Ultrasound Workflow Understanding: A Consensus. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2017 , 31, 197-202	2.1	7
57	Preoperative asymptomatic leukocytosis and postoperative outcome in cardiac surgery patients. <i>PLoS ONE</i> , 2017 , 12, e0182118	3.7	13
56	Intrapleural placement of a thoracic epidural catheter in a patient with spinal stenosis. <i>Journal of Clinical Anesthesia</i> , 2016 , 35, 195-197	1.9	1
55	Hemodynamic Testing of Patient-Specific Mitral Valves Using a Pulse Duplicator: A Clinical Application of Three-Dimensional Printing. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2016 , 30, 1278-85	2.1	29
54	Early Cellular Changes in the Ascending Aorta and Myocardium in a Swine Model of Metabolic Syndrome. <i>PLoS ONE</i> , 2016 , 11, e0146481	3.7	4
53	Tricuspid annulus: A spatial and temporal analysis. <i>Annals of Cardiac Anaesthesia</i> , 2016 , 19, 599-605	1.3	13
52	Making three-dimensional echocardiography more tangible: a workflow for three-dimensional printing with echocardiographic data. <i>Journal of Animal Science and Technology</i> , 2016 , 3, R57-R64	1.6	14
51	An Echodensity in the Sinus of Valsalva. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2016 , 30, 1742-1743	1.1	1
50	A Tight Spot After Pulmonary Vein Catheter Ablation. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2016 , 30, 1748-1749	2.1	
49	Neuropeptide Y is an angiogenic factor in cardiovascular regeneration. <i>European Journal of Pharmacology</i> , 2016 , 776, 64-70	5.3	28
48	Combined Epidural-General Anesthesia vs General Anesthesia Alone for Elective Abdominal Aortic Aneurysm Repair. <i>JAMA Surgery</i> , 2016 , 151, 1116-1123	5.4	43
47	Teaching concepts of transesophageal echocardiography via Web-based modules. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2015 , 29, 402-9	2.1	11
46	Manual Skill Acquisition During Transesophageal Echocardiography Simulator Training of Cardiology Fellows: A Kinematic Assessment. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2015 , 29, 1504-10	2.1	21
45	Systolic anterior motion of the mitral valve and three-dimensional echocardiography. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2015 , 29, 149-50	2.1	8
44	High-density lipoprotein increases the uptake of oxidized low density lipoprotein via PPAR γ /CD36 pathway in inflammatory adipocytes. <i>International Journal of Biological Sciences</i> , 2015 , 11, 256-65	11.2	19
43	Left Atrial Appendage, Intraoperative Echocardiography, and the Anesthesiologist. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2015 , 29, 1651-62	2.1	12
42	Cardiopulmonary Bypass Decreases Activation of the Signal Transducer and Activator of Transcription 3 (STAT3) Pathway in Diabetic Human Myocardium. <i>Annals of Thoracic Surgery</i> , 2015 , 100, 1636-45; discussion 1645	2.7	8

41	Left atrial appendage... and another appendage?. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2015 , 29, 248-9	2.1	
40	Impact of gender and body surface area on outcome after abdominal aortic aneurysm repair. <i>American Journal of Surgery</i> , 2015 , 209, 315-23	2.7	18
39	Preemptive ultrasound-guided paravertebral block and immediate postoperative lung function. <i>General Thoracic and Cardiovascular Surgery</i> , 2015 , 63, 43-8	1.6	15
38	Tricuspid annulus: a three-dimensional deconstruction and reconstruction. <i>Annals of Thoracic Surgery</i> , 2014 , 98, 1536-42	2.7	25
37	Oxidative stress and nerve function after cardiopulmonary bypass in patients with diabetes. <i>Annals of Thoracic Surgery</i> , 2014 , 98, 1635-43; discussion 1643-4	2.7	16
36	Pro: Simulation training in transesophageal echocardiography. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2014 , 28, 1410-1	2.1	2
35	Acute limb ischemia and transesophageal echocardiography: making a case. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2014 , 28, 1164-5	2.1	
34	Dynamism of the mitral annulus: a spatial and temporal analysis. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2014 , 28, 1191-7	2.1	15
33	Transesophageal echocardiographic monitoring during vascular surgery in a patient with unanticipated critical aortic stenosis. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2014 , 28, 1426-8 ^{2.1}		
32	Novel, multimodal approach for basic transesophageal echocardiographic teaching. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2014 , 28, 800-9	2.1	17
31	Cardiac output calculation and three-dimensional echocardiography. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2014 , 28, 547-50	2.1	22
30	In-vivo analysis of selectively flexible mitral annuloplasty rings using three-dimensional echocardiography. <i>Annals of Thoracic Surgery</i> , 2014 , 97, 2005-10	2.7	8
29	Relative importance of aneurysm diameter and body size for predicting abdominal aortic aneurysm rupture in men and women. <i>Journal of Vascular Surgery</i> , 2014 , 59, 1209-16	3.5	122
28	Tricuspid valve: an intraoperative echocardiographic perspective. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2014 , 28, 761-70	2.1	7
27	Simulator-based transesophageal echocardiographic training with motion analysis: a curriculum-based approach. <i>Anesthesiology</i> , 2014 , 121, 389-99	4.3	48
26	Non-invasive transdermal two-dimensional mapping of cutaneous oxygenation with a rapid-drying liquid bandage. <i>Biomedical Optics Express</i> , 2014 , 5, 3748-64	3.5	54
25	Left atrial size: an underappreciated perioperative cardiac risk factor. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2014 , 28, 1624-32	2.1	2
24	Impact of three-dimensional echocardiography on classification of the severity of aortic stenosis. <i>Annals of Thoracic Surgery</i> , 2013 , 96, 1343-1348	2.7	27

23	Local infiltration of neuropeptide Y as a potential therapeutic agent against apoptosis and fibrosis in a swine model of hypercholesterolemia and chronic myocardial ischemia. <i>European Journal of Pharmacology</i> , 2013 , 718, 261-70	5.3	18
22	A woman with a history of stroke and a mass in the aorta. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2013 , 27, 197-8	2.1	1
21	Percutaneous ventricular septal defect closure with Amplatzer devices resulting in severe tricuspid regurgitation. <i>Catheterization and Cardiovascular Interventions</i> , 2013 , 82, E817-20	2.7	6
20	Monitoring the variation in myocardial function with the Doppler-derived myocardial performance index during aortic cross-clamping. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2012 , 26, 204-8	2.1	2
19	Neuropeptide Y improves myocardial perfusion and function in a swine model of hypercholesterolemia and chronic myocardial ischemia. <i>Journal of Molecular and Cellular Cardiology</i> , 2012 , 53, 891-8	5.8	23
18	Transthoracic echocardiographic simulator: normal and the abnormal. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2011 , 25, 177-81	2.1	33
17	Echo rounds: bifid atrial septal aneurysm: visualization with three-dimensional transesophageal echocardiography. <i>Anesthesia and Analgesia</i> , 2011 , 112, 1300-2	3.9	2
16	Chronic type II diabetes mellitus leads to changes in neuropeptide Y receptor expression and distribution in human myocardial tissue. <i>European Journal of Pharmacology</i> , 2011 , 665, 19-28	5.3	25
15	Anterior myocardial infarction with dynamic left ventricular outflow tract obstruction. <i>Annals of Thoracic Surgery</i> , 2011 , 91, e39-40	2.7	1
14	Perioperative assessment of diastolic dysfunction. <i>Anesthesia and Analgesia</i> , 2011 , 113, 449-72	3.9	54
13	Transthoracic Echocardiographic Simulator: Normal and the Abnormal. <i>Virtual?nye Tehnologii V Medicine</i> , 2011 , 25-32	0.1	
12	Left atrial appendage thrombus and real-time 3-dimensional transesophageal echocardiography. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2010 , 24, 977-9	2.1	5
11	Preoperative stress testing in high-risk vascular surgery and its association with gender. <i>Gender Medicine</i> , 2010 , 7, 584-92		2
10	Perioperative diastolic dysfunction during vascular surgery and its association with postoperative outcome. <i>Journal of Vascular Surgery</i> , 2009 , 50, 70-6	3.5	85
9	Severe hemodynamic instability during general anesthesia in a professional bodybuilder. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2009 , 23, 208-10	2.1	3
8	Pro: Mitral regurgitation can be reliably assessed under general anesthesia. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2009 , 23, 555-7	2.1	3
7	Real-time three-dimensional echocardiography for left atrial appendage ligation. <i>Anesthesia and Analgesia</i> , 2009 , 108, 1467-9	3.9	9
6	Sex-related differences in outcome after high-risk vascular surgery after the administration of beta-adrenergic-blocking drugs. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2008 , 22, 354-60	2.1	21

5	Heparin administration during cardiopulmonary resuscitation. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2008 , 22, 861-3	2.1	
4	Newly appreciated pathophysiology of ischemic heart disease in women mandates changes in perioperative management: a core review. <i>Anesthesia and Analgesia</i> , 2008 , 107, 37-50	3.9	16
3	Assessment of valvular function and abnormalities with TEE. <i>International Anesthesiology Clinics</i> , 2008 , 46, 63-81	0.6	
2	Inadvertent placement of a flow-directed pulmonary artery catheter in the coronary sinus, detected by transesophageal echocardiography. <i>Anesthesia and Analgesia</i> , 2006 , 102, 363-5	3.9	15
1	Tifacogin, recombinant tissue factor pathway inhibitor. <i>International Anesthesiology Clinics</i> , 2005 , 43, 135-44	0.6	6