

# Hyun Koo Kim

## List of Publications by Year in descending order

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Version: 2024-02-01

104  
papers

2,152  
citations

331538

21  
h-index

265120

42  
g-index

105  
all docs

105  
docs citations

105  
times ranked

2867  
citing authors

#	ARTICLE	IF	CITATIONS
1	Clinical efficacy of adjuvant chemotherapy in stage IB (< 4 cm) non-small cell lung cancer patients with high-risk factors. Korean Journal of Internal Medicine, 2022, 37, 127-136.	0.7	11
2	ASO Visual Abstract: Fluorescence Imaging-Guided Identification of Thymic Masses Using Low-Dose Indocyanine Green. Annals of Surgical Oncology, 2022, , 1.	0.7	0
3	Fluorescence Imaging-Guided Identification of Thymic Masses Using Low-Dose Indocyanine Green. Annals of Surgical Oncology, 2022, , 1.	0.7	2
4	Ultra-low-dose intraoperative X-ray imager for minimally invasive surgery: a pilot imaging study. Translational Lung Cancer Research, 2022, 11, 588-599.	1.3	3
5	A Proteomic Approach to Understand the Clinical Significance of Acute Myeloid Leukemiaâ€Derived Extracellular Vesicles Reflecting Essential Characteristics of Leukemia. Molecular and Cellular Proteomics, 2021, 20, 100017.	2.5	8
6	Fluorescent and Iodized Emulsion for Preoperative Localization of Pulmonary Nodules. Annals of Surgery, 2021, 273, 989-996.	2.1	30
7	Dual size-exclusion chromatography for efficient isolation of extracellular vesicles from bone marrow derived human plasma. Scientific Reports, 2021, 11, 217.	1.6	7
8	Thoracoscopic anterior mediastinal mass removal using an articulating laparoscopic instrument. Interactive Cardiovascular and Thoracic Surgery, 2021, 33, 498-498.	0.5	0
9	Design and Testing of Augmented Reality-Based Fluorescence Imaging Goggle for Intraoperative Imaging-Guided Surgery. Diagnostics, 2021, 11, 927.	1.3	3
10	Robot-Assisted Thoracic Surgery in Non-small Cell Lung Cancer. Journal of Chest Surgery, 2021, 54, 266-278.	0.2	5
11	Guidelines for the Investigation and Management of Ground Glass Nodules. Journal of Chest Surgery, 2021, 54, 333-337.	0.2	3
12	Korean Clinical Imaging Guidelines for the Appropriate Use of Chest MRI. Journal of the Korean Society of Radiology, 2021, 82, 562.	0.1	0
13	Usefulness of Pulmonary Rehabilitation in Non-small Cell Lung Cancer Patients Based on Pulmonary Function Tests and Muscle Analysis Using Computed Tomography Images. Cancer Research and Treatment, 2021, , .	1.3	7
14	GCC2 as a New Early Diagnostic Biomarker for Non-Small Cell Lung Cancer. Cancers, 2021, 13, 5482.	1.7	9
15	Near-infrared fluorescent imaging with indocyanine green in rabbit and patient specimens of esophageal cancer. Journal of Thoracic Disease, 2021, 13, 6314-6322.	0.6	4
16	Development of a sub-miniature gamma camera for multimodal imaging system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 954, 161705.	0.7	4
17	Synergistic anticancer effect of combined use of Trichosanthes kirilowii with cisplatin and pemetrexed enhances apoptosis of H1299 non-small-cell lung cancer cells via modulation of ErbB3. Phytomedicine, 2020, 66, 153109.	2.3	14
18	Tumor-Targeting Glycol Chitosan Nanoparticles for Image-Guided Surgery of Rabbit Orthotopic VX2 Lung Cancer. Pharmaceutics, 2020, 12, 621.	2.0	14

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19	Effect of sugammadex on chest radiographic abnormality in the early postoperative period after video-assisted thoracoscopic lobectomy. Turkish Journal of Medical Sciences, 2020, 50, 1236-1246.	0.4	4
20	Levels of Extracellular Vesicles in Pulmonary and Peripheral Blood Correlate with Stages of Lung Cancer Patients. World Journal of Surgery, 2020, 44, 3522-3529.	0.8	11
21	Multispectral image-guided surgery in patients. Nature Biomedical Engineering, 2020, 4, 245-246.	11.6	37
22	Simultaneous visualization of pulmonary nodules and intersegmental planes on fluorescent images in pulmonary segmentectomy. European Journal of Cardio-thoracic Surgery, 2020, 58, i77-i84.	0.6	11
23	Evaluation of Intraoperative Near-Infrared Fluorescence Visualization of the Lung Tumor Margin With Indocyanine Green Inhalation. JAMA Surgery, 2020, 155, 732.	2.2	29
24	Subxiphoid approach for robotic single-site-assisted thymectomy. European Journal of Cardio-thoracic Surgery, 2020, 58, i34-i38.	0.6	19
25	Early-Stage Lung Cancer Diagnosis by Deep Learning-Based Spectroscopic Analysis of Circulating Exosomes. ACS Nano, 2020, 14, 5435-5444.	7.3	248
26	Lung cancer exosome specific protein 1(LESP-1) as a potential factor for diagnosis and treatment of non-small cell lung cancer.. Journal of Clinical Oncology, 2020, 38, e15550-e15550.	0.8	2
27	Fluorescence Image-Based Evaluation of Gastric Tube Perfusion during Esophagogastrostomy. Korean Journal of Thoracic and Cardiovascular Surgery, 2020, 53, 178-183.	0.6	2
28	A single-port video-assisted thoracoscopic surgery with CO2 insufflation for traumatic diaphragmatic hernia. Interactive Cardiovascular and Thoracic Surgery, 2019, 29, 808-810.	0.5	3
29	Poly(lactic-co-glycolic acid) microparticles in fibrin glue for local, sustained delivery of bupivacaine. Journal of Industrial and Engineering Chemistry, 2019, 75, 86-92.	2.9	13
30	Segmental Resection. , 2019, , 151-163.		0
31	Single-port video-assisted thoracoscopic oesophagectomy under hybrid position. Interactive Cardiovascular and Thoracic Surgery, 2019, 29, 329-329.	0.5	0
32	Initial Experiences With Robotic Single-Site Thoracic Surgery for Mediastinal Masses. Annals of Thoracic Surgery, 2019, 107, 242-247.	0.7	15
33	Self-targeted knockdown of CD44 improves cisplatin sensitivity of chemoresistant non-small cell lung cancer cells. Cancer Chemotherapy and Pharmacology, 2019, 83, 399-410.	1.1	12
34	Photothermally Amplified Therapeutic Liposomes for Effective Combination Treatment of Cancer. ACS Applied Materials & Interfaces, 2018, 10, 6118-6123.	4.0	32
35	Endoscopic sentinel lymph node biopsy using indocyanine greenâ€”neomannosyl human serum albumin. Laryngoscope, 2018, 128, E135-E140.	1.1	7
36	Imaging techniques for minimally invasive thoracic surgeryâ€”Korea University Guro Hospital experiences. Journal of Thoracic Disease, 2018, 10, S731-S738.	0.6	5

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37	The feasibility of electromagnetic navigational bronchoscopic localization with fluorescence and radiocontrast dyes for video-assisted thoracoscopic surgery resection. <i>Journal of Thoracic Disease</i> , 2018, 10, S739-S748.	0.6	10
38	Application of a three-dimensional video system in the training for uniportal thoracoscopic surgery. <i>Journal of Thoracic Disease</i> , 2018, 10, 3643-3650.	0.6	6
39	Comparison of additional minocycline versus iodopovidone pleurodesis during video-assisted thoracoscopic bleb resection for primary spontaneous pneumothorax: a propensity score-matched analysis. <i>Journal of Thoracic Disease</i> , 2018, 10, 5443-5448.	0.6	5
40	Fluorescent image-based evaluation of gastric conduit perfusion in a preclinical ischemia model. <i>Journal of Thoracic Disease</i> , 2018, 10, 5359-5367.	0.6	3
41	CO2 during single incisional thoracoscopic bleb resection with two-lung ventilation. <i>Journal of Thoracic Disease</i> , 2018, 10, 5057-5065.	0.6	1
42	The Potential of Exosomes Derived from Chronic Myelogenous Leukaemia Cells as a Biomarker. <i>Anticancer Research</i> , 2018, 38, 3935-3942.	0.5	19
43	The predictive accuracy of sentinel nodes mapping in the setting of pulmonary metastasectomy. <i>Clinical and Experimental Metastasis</i> , 2017, 34, 125-131.	1.7	3
44	Exosome Classification by Pattern Analysis of Surface-Enhanced Raman Spectroscopy Data for Lung Cancer Diagnosis. <i>Analytical Chemistry</i> , 2017, 89, 6695-6701.	3.2	183
45	Uniportal Video-Assisted Thoracoscopic Surgery Segmentectomy. <i>Thoracic Surgery Clinics</i> , 2017, 27, 387-398.	0.4	17
46	The Society for Translational Medicine: clinical practice guidelines for the postoperative management of chest tube for patients undergoing lobectomy. <i>Journal of Thoracic Disease</i> , 2017, 9, 3255-3264.	0.6	47
47	Midterm outcomes of single port thoracoscopic surgery for major pulmonary resection. <i>PLoS ONE</i> , 2017, 12, e0186857.	1.1	25
48	Real-time computed tomography fluoroscopy-guided solitary lung tumor model in a rabbit. <i>PLoS ONE</i> , 2017, 12, e0179220.	1.1	9
49	Single-port video-assisted thoracoscopic pulmonary segmentectomy: a report on 30 cases. <i>European Journal of Cardio-thoracic Surgery</i> , 2016, 49 Suppl 1, ezv406.	0.6	19
50	Uniportal video-assisted thoracoscopic surgical (VATS) segmentectomy with preoperative dual localization: right upper lobe wedge resection and left upper lobe upper division segmentectomy. <i>Annals of Cardiothoracic Surgery</i> , 2016, 5, 147-150.	0.6	6
51	Effect of the Nuss Procedure on the Physical Development of Patients with Pectus Excavatum. <i>Annals of Thoracic and Cardiovascular Surgery</i> , 2016, 22, 327-332.	0.3	7
52	Clinical innovations in minimally invasive surgery in Korea. <i>Journal of Thoracic Disease</i> , 2016, 8, S627-S630.	0.6	0
53	Single-port thoracoscopic surgery for pneumothorax under two-lung ventilation with carbon dioxide insufflation. <i>Journal of Thoracic Disease</i> , 2016, 8, 1080-1086.	0.6	10
54	Macrophage-Targeted Indocyanine Green-Neomannosyl Human Serum Albumin Intraoperative Sentinel Lymph Node Mapping in Porcine Esophagus. <i>Annals of Thoracic Surgery</i> , 2016, 102, 1149-1155.	0.7	11

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55	Pulmonary Function Changes Over 1 Year After Lobectomy in Lung Cancer. <i>Respiratory Care</i> , 2016, 61, 376-382.	0.8	23
56	Intraoperative pulmonary neoplasm identification using near-infrared fluorescence imaging. <i>European Journal of Cardio-thoracic Surgery</i> , 2016, 49, 1497-1502.	0.6	55
57	Single-Port Video-Assisted Thoracoscopic Major Lung Resections: Experience with 150 Consecutive Cases. <i>Thoracic and Cardiovascular Surgeon</i> , 2016, 64, 348-353.	0.4	62
58	Comparison of single port versus multiport thoracoscopic segmentectomy. <i>Journal of Thoracic Disease</i> , 2016, 8, S279-86.	0.6	16
59	F-058INTRAOPERATIVE MERGED FLUORESCENCE IMAGE-GUIDED PULMONARY SEGMENTECTOMY. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2015, 21, S17-S17.	0.5	0
60	Genomic Copy Number Signatures Uncovered a Genetically Distinct Group from Adenocarcinoma and Squamous Cell Carcinoma in Non-Small Cell Lung Cancer. <i>Human Pathology</i> , 2015, 46, 1111-1120.	1.1	5
61	Needlescopic Resection of Small and Superficial Pulmonary Nodule After Computed Tomographic Fluoroscopy-Guided Dual Localization with Radiotracer and Hookwire. <i>Annals of Surgical Oncology</i> , 2015, 22, 331-337.	0.7	53
62	Gallium-68 Neomannosylated Human Serum Albumin-Based PET/CT Lymphoscintigraphy for Sentinel Lymph Node Mapping in Non-small Cell Lung Cancer. <i>Annals of Surgical Oncology</i> , 2015, 22, 636-641.	0.7	17
63	The feasibility of single-incision video-assisted thoracoscopic major pulmonary resection performed by surgeons experienced with a two-incision technique. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2015, 20, 310-315.	0.5	21
64	Intraoperative fluorescence image-guided pulmonary segmentectomy. <i>Journal of Surgical Research</i> , 2015, 199, 287-293.	0.8	24
65	Optimal Respiratory Rate for Low-Tidal Volume and Two-Lung Ventilation in Thoracoscopic Bleb Resection. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2015, 29, 972-976.	0.6	5
66	A 2-cm single-incision thoracoscopic left upper division segmentectomy. <i>Journal of Visualized Surgery</i> , 2015, 1, 11.	0.2	5
67	Highly sensitive and selective anticancer effect by conjugated HA-cisplatin in non-small cell lung cancer overexpressed with CD44. <i>Experimental Lung Research</i> , 2014, 40, 475-484.	0.5	33
68	The effects of sonic hedgehog signaling pathway components on non-small-cell lung cancer progression and clinical outcome. <i>World Journal of Surgical Oncology</i> , 2014, 12, 268.	0.8	20
69	Thoracoscopic Color and Fluorescence Imaging System for Sentinel Lymph Node Mapping in Porcine Lung Using Indocyanine Green-Neomannosyl Human Serum Albumin: Intraoperative Image-Guided Sentinel Nodes Navigation. <i>Annals of Surgical Oncology</i> , 2014, 21, 1182-1188.	0.7	21
70	The feasibility of a Two-incision video-assisted thoracoscopic lobectomy. <i>Journal of Cardiothoracic Surgery</i> , 2013, 8, 88.	0.4	11
71	Bronchial obstruction by tumor embolus of contralateral lung during pneumonectomy: report of a case. <i>Journal of Cardiothoracic Surgery</i> , 2013, 8, 26.	0.4	5
72	Intraoperative combined color and fluorescent images-based sentinel node mapping in the porcine lung: Comparison of indocyanine green with or without albumin premixing. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013, 146, 1509-1515.	0.4	20

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73	Thoracoscopic Needle Aspiration Biopsy for a Centrally Located Solitary Pulmonary Nodule. Korean Journal of Thoracic and Cardiovascular Surgery, 2013, 46, 316-318.	0.6	1
74	Re-thoracoscopic surgery for middle lobe torsion after right upper lobectomy. European Journal of Cardio-thoracic Surgery, 2012, 42, 582-583.	0.6	16
75	Vibration Response Imaging in Prediction of Pulmonary Function After Pulmonary Resection. Annals of Thoracic Surgery, 2012, 94, 1680-1686.	0.7	8
76	Video-assisted thoracoscopic lobectomy for lung cancer. Journal of the Korean Medical Association, 2012, 55, 1193.	0.1	4
77	Comparison between Preoperative Versus Intraoperative Injection of Technetium-99m Neomannosyl Human Serum Albumin for Sentinel Lymph Node Identification in Early Stage Lung Cancer. Annals of Surgical Oncology, 2012, 19, 1343-1349.	0.7	19
78	Sonic Hedgehog Pathway Promotes Metastasis and Lymphangiogenesis via Activation of Akt, EMT, and MMP-9 Pathway in Gastric Cancer. Cancer Research, 2011, 71, 7061-7070.	0.4	293
79	CT Fluoroscopy-Guided Core Biopsy for Diagnosis of Small (<math>\leq 20\text{ mm}</math>) Pulmonary Nodules. Journal of the Korean Society of Radiology, 2011, 65, 373.	0.1	0
80	Spontaneous Pneumothorax in Birt-Hogg-Dubé Syndrome: Two Case Reports. Journal of the Korean Society of Radiology, 2011, 64, 39.	0.1	1
81	Sentinel Node Identification Using Technetium-99m Neomannosyl Human Serum Albumin in Esophageal Cancer. Annals of Thoracic Surgery, 2011, 91, 1517-1522.	0.7	34
82	The Quality of Life After Bar Removal in Patients After the Nuss Procedure for Pectus Excavatum. World Journal of Surgery, 2011, 35, 1656-1661.	0.8	21
83	A comparative study of two- versus one-lung ventilation for needlescopic bleb resection. European Respiratory Journal, 2011, 37, 1183-1188.	3.1	9
84	Needlescopy-assisted resection of pulmonary nodule after dual localisation. European Respiratory Journal, 2011, 37, 13-17.	3.1	23
85	Intra-operative sentinel lymph node identification using a novel receptor-binding agent (technetium-99m neomannosyl human serum albumin, $^{99m}\text{Tc}$ -MSA) in stage I non-small cell lung cancer. European Journal of Cardio-thoracic Surgery, 2010, 37, 1450-1456.	0.6	34
86	Simultaneous repair for aortic incompetence with annuloaortic ectasia and pectus excavatum by modified Ravitch procedure with pectus bars in an adult patient with Marfan syndrome. Journal of Thoracic and Cardiovascular Surgery, 2009, 137, e34-e36.	0.4	15
87	Thoracoscopic Bleb Resection Using Two-Lung Ventilation Anesthesia With Low Tidal Volume for Primary Spontaneous Pneumothorax. Annals of Thoracic Surgery, 2009, 87, 880-885.	0.7	19
88	Successful Removal of Indigested Shell Using a Rigid Esophagoscope and a Pneumatic Lithotripter. Annals of Thoracic Surgery, 2009, 88, 1019-1021.	0.7	2
89	Endovenous Lasering Versus Ambulatory Phlebectomy of Varicose Tributaries in Conjunction with Endovenous Laser Treatment of the Great or Small Saphenous Vein. Annals of Vascular Surgery, 2009, 23, 207-211.	0.4	16
90	Reoperative Surgical Stabilization of a Painful Nonunited Rib Fracture Using Bone Grafting and a Metal Plate. Journal of Orthopaedic Trauma, 2009, 23, 605-606.	0.7	14

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91	Endoscopic Evaluation of the Quality of the Anastomosis After Esophagectomy with Gastric Tube Reconstruction. <i>World Journal of Surgery</i> , 2008, 32, 2010-4.	0.8	20
92	Needlescopic Lung Biopsy for Interstitial Lung Disease and Indeterminate Pulmonary Nodules: A Report on 65 Cases. <i>Annals of Thoracic Surgery</i> , 2008, 86, 1098-1103.	0.7	14
93	Multiple cardiac perforations and pulmonary embolism caused by cement leakage after percutaneous vertebroplasty. <i>European Journal of Cardio-thoracic Surgery</i> , 2008, 33, 510-512.	0.6	55
94	Mitral valve surgery with surgical embolectomy for mitral valve endocarditis complicated by septic coronary embolism. <i>European Journal of Cardio-thoracic Surgery</i> , 2008, 33, 116-118.	0.6	21
95	Modified Ravitch Procedure: Using a Pectus Bar for Posttraumatic Pectus Excavatum. <i>Annals of Thoracic Surgery</i> , 2007, 84, 647-648.	0.7	8
96	A Comparative Study of Pericostal and Submuscular Bar Fixation Technique in the Nuss Procedure. <i>Journal of Korean Medical Science</i> , 2007, 22, 254.	1.1	5
97	Changes in N-terminal Pro B-type Natriuretic Peptide Concentration: Comparative Study of Percutaneous Transluminal Coronary Angioplasty and Off-Pump Coronary Artery Bypass Graft. <i>Journal of Korean Medical Science</i> , 2007, 22, 16.	1.1	0
98	Surgical strategy for pulmonary coarctation in the univentricular heart. <i>European Journal of Cardio-thoracic Surgery</i> , 2006, 29, 100-104.	0.6	16
99	Intercostal Neuralgia Caused by a Parosteal Lipoma of the Rib. <i>Annals of Thoracic Surgery</i> , 2006, 81, 1901-1903.	0.7	16
100	The Effects of Pulsatile Flow Upon Renal Tissue Perfusion During Cardiopulmonary Bypass: A Comparative Study of Pulsatile and Nonpulsatile Flow. <i>ASAIO Journal</i> , 2005, 51, 30-36.	0.9	66
101	In Vitro Evaluation of the Performance of Korean Pulsatile ECLS (T-PLS) Using Precise Quantification of Pressure-Flow Waveforms. <i>ASAIO Journal</i> , 2005, 51, 604-608.	0.9	25
102	Predictive Value of Intraoperative Transesophageal Echocardiography in Complete Atrioventricular Septal Defect. <i>Annals of Thoracic Surgery</i> , 2005, 80, 56-59.	0.7	25
103	Single site robotic surgery for thoracic diseases. <i>Journal of Visualized Surgery</i> , 0, 4, 158-158.	0.2	0
104	Transthoracic single-port video-assisted thoracoscopic thymectomy. <i>Journal of Visualized Surgery</i> , 0, 4, 164-164.	0.2	1