

Hyun Koo Kim

List of Publications by Year in descending order

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104
papers

2,152
citations

331538

21
h-index

265120

42
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105
all docs

105
docs citations

105
times ranked

2867
citing authors

#	ARTICLE	IF	CITATIONS
1	Sonic Hedgehog Pathway Promotes Metastasis and Lymphangiogenesis via Activation of Akt, EMT, and MMP-9 Pathway in Gastric Cancer. <i>Cancer Research</i> , 2011, 71, 7061-7070.	0.4	293
2	Early-Stage Lung Cancer Diagnosis by Deep Learning-Based Spectroscopic Analysis of Circulating Exosomes. <i>ACS Nano</i> , 2020, 14, 5435-5444.	7.3	248
3	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
4	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
5	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
6	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
7	Intraoperative pulmonary neoplasm identification using near-infrared fluorescence imaging. <i>European Journal of Cardio-thoracic Surgery</i> , 2016, 49, 1497-1502.	0.6	55
8	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
9	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
10	Multispectral image-guided surgery in patients. <i>Nature Biomedical Engineering</i> , 2020, 4, 245-246.	11.6	37
11	Intra-operative sentinel lymph node identification using a novel receptor-binding agent (technetium-99m neomannosyl human serum albumin, 99mTc-MSA) in stage I non-small cell lung cancer. <i>European Journal of Cardio-thoracic Surgery</i> , 2010, 37, 1450-1456.	0.6	34
12	Sentinel Node Identification Using Technetium-99m Neomannosyl Human Serum Albumin in Esophageal Cancer. <i>Annals of Thoracic Surgery</i> , 2011, 91, 1517-1522.	0.7	34
13	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
14	Photothermally Amplified Therapeutic Liposomes for Effective Combination Treatment of Cancer. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 6118-6123.	4.0	32
15	Fluorescent and Iodized Emulsion for Preoperative Localization of Pulmonary Nodules. <i>Annals of Surgery</i> , 2021, 273, 989-996.	2.1	30
16	Evaluation of Intraoperative Near-Infrared Fluorescence Visualization of the Lung Tumor Margin With Indocyanine Green Inhalation. <i>JAMA Surgery</i> , 2020, 155, 732.	2.2	29
17	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
18	Predictive Value of Intraoperative Transesophageal Echocardiography in Complete Atrioventricular Septal Defect. <i>Annals of Thoracic Surgery</i> , 2005, 80, 56-59.	0.7	25

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19	Midterm outcomes of single port thoracoscopic surgery for major pulmonary resection. PLoS ONE, 2017, 12, e0186857.	1.1	25
20	Intraoperative fluorescence image-guided pulmonary segmentectomy. Journal of Surgical Research, 2015, 199, 287-293.	0.8	24
21	Needlescopy-assisted resection of pulmonary nodule after dual localisation. European Respiratory Journal, 2011, 37, 13-17.	3.1	23
22	Pulmonary Function Changes Over 1 Year After Lobectomy in Lung Cancer. Respiratory Care, 2016, 61, 376-382.	0.8	23
23	Mitral valve surgery with surgical embolectomy for mitral valve endocarditis complicated by septic coronary embolism. European Journal of Cardio-thoracic Surgery, 2008, 33, 116-118.	0.6	21
24	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
25	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. Annals of Surgical Oncology, 2014, 21, 1182-1188.	0.7	21
26	The feasibility of single-incision video-assisted thoracoscopic major pulmonary resection performed by surgeons experienced with a two-incision technique. Interactive Cardiovascular and Thoracic Surgery, 2015, 20, 310-315.	0.5	21
27	Endoscopic Evaluation of the Quality of the Anastomosis After Esophagectomy with Gastric Tube Reconstruction. World Journal of Surgery, 2008, 32, 2010-4.	0.8	20
28	Intraoperative combined color and fluorescent images-based sentinel node mapping in the porcine lung: Comparison of indocyanine green with or without albumin premixing. Journal of Thoracic and Cardiovascular Surgery, 2013, 146, 1509-1515.	0.4	20
29	The effects of sonic hedgehog signaling pathway components on non-small-cell lung cancer progression and clinical outcome. World Journal of Surgical Oncology, 2014, 12, 268.	0.8	20
30	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
31	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
32	Single-port video-assisted thoracoscopic pulmonary segmentectomy: a report on 30 cases. European Journal of Cardio-thoracic Surgery, 2016, 49 Suppl 1, ezv406.	0.6	19
33	The Potential of Exosomes Derived from Chronic Myelogenous Leukaemia Cells as a Biomarker. Anticancer Research, 2018, 38, 3935-3942.	0.5	19
34	Subxiphoid approach for robotic single-site-assisted thymectomy. European Journal of Cardio-thoracic Surgery, 2020, 58, i34-i38.	0.6	19
35	Gallium-68 Neomannosylated Human Serum Albumin-Based PET/CT Lymphoscintigraphy for Sentinel Lymph Node Mapping in Non-small Cell Lung Cancer. Annals of Surgical Oncology, 2015, 22, 636-641.	0.7	17
36	Uniportal Video-Assisted Thoracoscopic Surgery Segmentectomy. Thoracic Surgery Clinics, 2017, 27, 387-398.	0.4	17

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37	Surgical strategy for pulmonary coarctation in the univentricular heart. <i>European Journal of Cardio-thoracic Surgery</i> , 2006, 29, 100-104.	0.6	16
38	Intercostal Neuralgia Caused by a Parosteal Lipoma of the Rib. <i>Annals of Thoracic Surgery</i> , 2006, 81, 1901-1903.	0.7	16
39	Endovenous Lasering Versus Ambulatory Phlebectomy of Varicose Tributaries in Conjunction with Endovenous Laser Treatment of the Great or Small Saphenous Vein. <i>Annals of Vascular Surgery</i> , 2009, 23, 207-211.	0.4	16
40	Re-thoracoscopic surgery for middle lobe torsion after right upper lobectomy. <i>European Journal of Cardio-thoracic Surgery</i> , 2012, 42, 582-583.	0.6	16
41	Comparison of single port versus multiport thoracoscopic segmentectomy. <i>Journal of Thoracic Disease</i> , 2016, 8, S279-86.	0.6	16
42	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. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009, 137, e34-e36.	0.4	15
43	Initial Experiences With Robotic Single-Site Thoracic Surgery for Mediastinal Masses. <i>Annals of Thoracic Surgery</i> , 2019, 107, 242-247.	0.7	15
44	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
45	Reoperative Surgical Stabilization of a Painful Nonunited Rib Fracture Using Bone Grafting and a Metal Plate. <i>Journal of Orthopaedic Trauma</i> , 2009, 23, 605-606.	0.7	14
46	Synergistic anticancer effect of combined use of <i>Trichosanthes kirilowii</i> with cisplatin and pemetrexed enhances apoptosis of H1299 non-small-cell lung cancer cells via modulation of ErbB3. <i>Phytomedicine</i> , 2020, 66, 153109.	2.3	14
47	Tumor-Targeting Glycol Chitosan Nanoparticles for Image-Guided Surgery of Rabbit Orthotopic VX2 Lung Cancer. <i>Pharmaceutics</i> , 2020, 12, 621.	2.0	14
48	Poly(lactic-co-glycolic acid) microparticles in fibrin glue for local, sustained delivery of bupivacaine. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 75, 86-92.	2.9	13
49	Self-targeted knockdown of CD44 improves cisplatin sensitivity of chemoresistant non-small cell lung cancer cells. <i>Cancer Chemotherapy and Pharmacology</i> , 2019, 83, 399-410.	1.1	12
50	The feasibility of a Two-incision video-assisted thoracoscopic lobectomy. <i>Journal of Cardiothoracic Surgery</i> , 2013, 8, 88.	0.4	11
51	Macrophage-Targeted Indocyanine Green-Neomannosyl Human Serum Albumin for Intraoperative Sentinel Lymph Node Mapping in Porcine Esophagus. <i>Annals of Thoracic Surgery</i> , 2016, 102, 1149-1155.	0.7	11
52	Levels of Extracellular Vesicles in Pulmonary and Peripheral Blood Correlate with Stages of Lung Cancer Patients. <i>World Journal of Surgery</i> , 2020, 44, 3522-3529.	0.8	11
53	Simultaneous visualization of pulmonary nodules and intersegmental planes on fluorescent images in pulmonary segmentectomy. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 58, i77-i84.	0.6	11
54	Clinical efficacy of adjuvant chemotherapy in stage IB ($\leq 4\text{ cm}$) non-small cell lung cancer patients with high-risk factors. <i>Korean Journal of Internal Medicine</i> , 2022, 37, 127-136.	0.7	11

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55	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
56	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
57	A comparative study of two- versus one-lung ventilation for needlescopic bleb resection. <i>European Respiratory Journal</i> , 2011, 37, 1183-1188.	3.1	9
58	Real-time computed tomography fluoroscopy-guided solitary lung tumor model in a rabbit. <i>PLoS ONE</i> , 2017, 12, e0179220.	1.1	9
59	GCC2 as a New Early Diagnostic Biomarker for Non-Small Cell Lung Cancer. <i>Cancers</i> , 2021, 13, 5482.	1.7	9
60	Modified Ravitch Procedure: Using a Pectus Bar for Posttraumatic Pectus Excavatum. <i>Annals of Thoracic Surgery</i> , 2007, 84, 647-648.	0.7	8
61	Vibration Response Imaging in Prediction of Pulmonary Function After Pulmonary Resection. <i>Annals of Thoracic Surgery</i> , 2012, 94, 1680-1686.	0.7	8
62	A Proteomic Approach to Understand the Clinical Significance of Acute Myeloid Leukemiaâ€œDerived Extracellular Vesicles Reflecting Essential Characteristics of Leukemia. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100017.	2.5	8
63	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
64	Endoscopic sentinel lymph node biopsy using indocyanine greenâ€œneomannosyl human serum albumin. <i>Laryngoscope</i> , 2018, 128, E135-E140.	1.1	7
65	Dual size-exclusion chromatography for efficient isolation of extracellular vesicles from bone marrow derived human plasma. <i>Scientific Reports</i> , 2021, 11, 217.	1.6	7
66	Usefulness of Pulmonary Rehabilitation in Non-small Cell Lung Cancer Patients Based on Pulmonary Function Tests and Muscle Analysis Using Computed Tomography Images. <i>Cancer Research and Treatment</i> , 2021, , .	1.3	7
67	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
68	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
69	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
70	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
71	Genomic Copy Number Signatures Uncovered a Genetically Distinct Group from Adenocarcinoma and Squamous Cell Carcinoma in Nonâ€œSmall Cell Lung Cancer. <i>Human Pathology</i> , 2015, 46, 1111-1120.	1.1	5
72	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

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73	Imaging techniques for minimally invasive thoracic surgery—Korea University Guro Hospital experiences. <i>Journal of Thoracic Disease</i> , 2018, 10, S731-S738.	0.6	5
74	Comparison of additional minocycline versus iodopovidone pleurodesis during video-assisted thoroscopic bleb resection for primary spontaneous pneumothorax: a propensity score-matched analysis. <i>Journal of Thoracic Disease</i> , 2018, 10, 5443-5448.	0.6	5
75	Robot-Assisted Thoracic Surgery in Non-small Cell Lung Cancer. <i>Journal of Chest Surgery</i> , 2021, 54, 266-278.	0.2	5
76	A 2-cm single-incision thoroscopic left upper division segmentectomy. <i>Journal of Visualized Surgery</i> , 2015, 1, 11.	0.2	5
77	Video-assisted thoroscopic lobectomy for lung cancer. <i>Journal of the Korean Medical Association</i> , 2012, 55, 1193.	0.1	4
78	Development of a sub-miniature gamma camera for multimodal imaging system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 954, 161705.	0.7	4
79	Effect of sugammadex on chest radiographic abnormality in the early postoperative period after video-assisted thoroscopic lobectomy. <i>Turkish Journal of Medical Sciences</i> , 2020, 50, 1236-1246.	0.4	4
80	Near-infrared fluorescent imaging with indocyanine green in rabbit and patient specimens of esophageal cancer. <i>Journal of Thoracic Disease</i> , 2021, 13, 6314-6322.	0.6	4
81	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
82	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
83	A single-port video-assisted thoroscopic surgery with CO2 insufflation for traumatic diaphragmatic hernia. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2019, 29, 808-810.	0.5	3
84	Design and Testing of Augmented Reality-Based Fluorescence Imaging Goggle for Intraoperative Imaging-Guided Surgery. <i>Diagnostics</i> , 2021, 11, 927.	1.3	3
85	Guidelines for the Investigation and Management of Ground Glass Nodules. <i>Journal of Chest Surgery</i> , 2021, 54, 333-337.	0.2	3
86	Ultra-low-dose intraoperative X-ray imager for minimally invasive surgery: a pilot imaging study. <i>Translational Lung Cancer Research</i> , 2022, 11, 588-599.	1.3	3
87	Successful Removal of Indigested Shell Using a Rigid Esophagoscope and a Pneumatic Lithotripter. <i>Annals of Thoracic Surgery</i> , 2009, 88, 1019-1021.	0.7	2
88	Lung cancer exosome specific protein 1 (LESP-1) as a potential factor for diagnosis and treatment of non-small cell lung cancer.. <i>Journal of Clinical Oncology</i> , 2020, 38, e15550-e15550.	0.8	2
89	Fluorescence Image-Based Evaluation of Gastric Tube Perfusion during Esophagogastrostomy. <i>Korean Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 53, 178-183.	0.6	2
90	Fluorescence Imaging-Guided Identification of Thymic Masses Using Low-Dose Indocyanine Green. <i>Annals of Surgical Oncology</i> , 2022, , 1.	0.7	2

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91	Spontaneous Pneumothorax in Birt-Hogg-Dub� Syndrome: Two Case Reports. Journal of the Korean Society of Radiology, 2011, 64, 39.	0.1	1
92	CO2 during single incisional thoracoscopic bleb resection with two-lung ventilation. Journal of Thoracic Disease, 2018, 10, 5057-5065.	0.6	1
93	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
94	Transthoracic single-port video-assisted thoracoscopic thymectomy. Journal of Visualized Surgery, 0, 4, 164-164.	0.2	1
95	Changes in N-terminal Pro B-type Natriuretic Peptide Concentration: Comparative Study of Percutaneous Transluminal Coronary Angioplasty and Off-Pump Coronary Artery Bypass Graft. Journal of Korean Medical Science, 2007, 22, 16.	1.1	0
96	CT Fluoroscopy-Guided Core Biopsy for Diagnosis of Small (� 20 mm) Pulmonary Nodules. Journal of the Korean Society of Radiology, 2011, 65, 373.	0.1	0
97	F-058INTRAOPERATIVE MERGED FLUORESCENCE IMAGE-GUIDED PULMONARY SEGMENTECTOMY. Interactive Cardiovascular and Thoracic Surgery, 2015, 21, S17-S17.	0.5	0
98	Clinical innovations in minimally invasive surgery in Korea. Journal of Thoracic Disease, 2016, 8, S627-S630.	0.6	0
99	Segmental Resection. , 2019, , 151-163.		0
100	Single-port video-assisted thoracoscopic oesophagectomy under hybrid position. Interactive Cardiovascular and Thoracic Surgery, 2019, 29, 329-329.	0.5	0
101	Thoracoscopic anterior mediastinal mass removal using an articulating laparoscopic instrument. Interactive Cardiovascular and Thoracic Surgery, 2021, 33, 498-498.	0.5	0
102	Korean Clinical Imaging Guidelines for the Appropriate Use of Chest MRI. Journal of the Korean Society of Radiology, 2021, 82, 562.	0.1	0
103	Single site robotic surgery for thoracic diseases. Journal of Visualized Surgery, 0, 4, 158-158.	0.2	0
104	ASO Visual Abstract: Fluorescence Imaging-Guided Identification of Thymic Masses Using Low-Dose Indocyanine Green. Annals of Surgical Oncology, 2022, , 1.	0.7	0