Yolonda L Colson

List of Publications by Year
in descending order

94 papers	4,356 citations	147801 31 h-index	110387 64 g-index
95 all docs	95 docs citations	95 times ranked	7823 citing authors

#	Article	IF	Citations
1	Local drug delivery strategies for cancer treatment: Gels, nanoparticles, polymeric films, rods, and wafers. Journal of Controlled Release, 2012, 159, 14-26.	9.9	686
2	Polymerâ€"drug conjugate therapeutics: advances, insights and prospects. Nature Reviews Drug Discovery, 2019, 18, 273-294.	46.4	579
3	Expansile Nanoparticles: Synthesis, Characterization, and in Vivo Efficacy of an Acid-Responsive Polymeric Drug Delivery System. Journal of the American Chemical Society, 2009, 131, 2469-2471.	13.7	289
4	Local Cancer Recurrence: The Realities, Challenges, and Opportunities for New Therapies. Ca-A Cancer Journal for Clinicians, 2018, 68, 488-505.	329.8	211
5	Biologically Responsive Polymeric Nanoparticles for Drug Delivery. Advanced Materials, 2012, 24, 3878-3886.	21.0	205
6	Embedded multicellular spheroids as a biomimetic 3D cancer model for evaluating drug and drug-device combinations. Biomaterials, 2014, 35, 2264-2271.	11.4	151
7	Successful Translation of Fluorescence Navigation During Oncologic Surgery: A Consensus Report. Journal of Nuclear Medicine, 2016, 57, 144-150.	5.0	125
8	Relationship between margin distance and local recurrence among patients undergoing wedge resection for small (â‰2 cm) nonâ€"small cell lung cancer. Journal of Thoracic and Cardiovascular Surgery, 2014, 147, 1169-1177.	0.8	122
9	Breast Cancer Spheroids Reveal a Differential Cancer Stem Cell Response to Chemotherapeutic Treatment. Scientific Reports, 2017, 7, 10382.	3.3	112
10	Prevention of lung cancer recurrence using cisplatin-loaded superhydrophobic nanofiber meshes. Biomaterials, 2016, 76, 273-281.	11.4	105
11	Mechanoresponsive materials for drug delivery: Harnessing forces for controlled release. Advanced Drug Delivery Reviews, 2017, 108, 68-82.	13.7	84
12	Birth Trends and Factors Affecting Childbearing Among Thoracic Surgeons. Annals of Thoracic Surgery, 2014, 98, 890-895.	1.3	79
13	Outcomes by Tumor Histology and KRAS Mutation Status After Lung Stereotactic BodyÂRadiation Therapy for Early-Stage Nonâ€"Small-Cell Lung Cancer. Clinical Lung Cancer, 2015, 16, 24-32.	2.6	67
14	Safety and feasibility of near-infrared image-guided lymphatic mapping of regional lymph nodes in esophageal cancer. Journal of Thoracic and Cardiovascular Surgery, 2016, 152, 546-554.	0.8	67
15	Women in Thoracic Surgery: 30 Years of History. Annals of Thoracic Surgery, 2016, 101, 399-409.	1.3	65
16	Embedded Spheroids as Models of the Cancer Microenvironment. Advanced Biology, 2017, 1, 1700083.	3.0	61
17	Mimicking the tumor microenvironment to regulate macrophage phenotype and assessing chemotherapeutic efficacy in embedded cancer cell/macrophage spheroid models. Acta Biomaterialia, 2017, 50, 271-279.	8.3	59
18	Stretchâ€Induced Drug Delivery from Superhydrophobic Polymer Composites: Use of Crack Propagation Failure Modes for Controlling Release Rates. Angewandte Chemie - International Edition, 2016, 55, 2796-2800.	13.8	55

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19	Layered superhydrophobic meshes for controlled drug release. Journal of Controlled Release, 2015, 214, 23-29.	9.9	54
20	A novel technique for tumor localization and targeted lymphatic mapping in early-stage lung cancer. Journal of Thoracic and Cardiovascular Surgery, 2017, 154, 1110-1118.	0.8	54
21	Absence of clinical GVHD and the in vivo induction of regulatory T cells after transplantation of facilitating cells. Blood, 2004, 104, 3829-3835.	1.4	52
22	The performance of expansile nanoparticles in a murine model of peritoneal carcinomatosis. Biomaterials, 2011, 32, 832-840.	11.4	51
23	Bronchopleural fistula and the role of contemporary imaging. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 341-347.	0.8	46
24	Management of Sarcoma Metastases to the Lung. Surgical Oncology Clinics of North America, 2016, 25, 721-733.	1.5	44
25	Highly Specific and Sensitive Fluorescent Nanoprobes for Image-Guided Resection of Sub-Millimeter Peritoneal Tumors. ACS Nano, 2017, 11, 1466-1477.	14.6	43
26	In Vitro Activity of Paclitaxel-Loaded Polymeric Expansile Nanoparticles in Breast Cancer Cells. Biomacromolecules, 2013, 14, 2074-2082.	5.4	41
27	Prevention of nodal metastases in breast cancer following the lymphatic migration of paclitaxel-loaded expansile nanoparticles. Biomaterials, 2013, 34, 1810-1819.	11.4	39
28	Nanoparticle drugâ€delivery systems for peritoneal cancers: a case study of the design, characterization and development of the expansile nanoparticle. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2017, 9, e1451.	6.1	37
29	Use of frailty to predict survival in elderly patients with early stage non-small-cell lung cancer treated with stereotactic body radiation therapy. Journal of Geriatric Oncology, 2018, 9, 130-137.	1.0	36
30	Low Incidence of Chest Wall Pain with a Risk-Adapted Lung Stereotactic Body Radiation Therapy Approach Using Three or Five Fractions Based on Chest Wall Dosimetry. PLoS ONE, 2014, 9, e94859.	2.5	35
31	Nanoparticle Migration and Delivery of Paclitaxel to Regional Lymph Nodes in a Large Animal Model. Journal of the American College of Surgeons, 2012, 214, 328-337.	0.5	34
32	Long-term outcomes after near-infrared sentinel lymph node mapping in nonâ€"small cell lung cancer. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 1280-1291.	0.8	32
33	Synthesis and Characterization of Hybrid Polymer/Lipid Expansile Nanoparticles: Imparting Surface Functionality for Targeting and Stability. Biomacromolecules, 2015, 16, 1958-1966.	5.4	30
34	Cytoreductive Surgery and Intraoperative Administration of Paclitaxel-loaded Expansile Nanoparticles Delay Tumor Recurrence in Ovarian Carcinoma. Annals of Surgical Oncology, 2013, 20, 1684-1693.	1.5	29
35	Paclitaxel-Loaded Expansile Nanoparticles Delay Local Recurrence in a Heterotopic Murine Non-Small Cell Lung Cancer Model. Annals of Thoracic Surgery, 2011, 91, 1077-1084.	1.3	26
36	Nanoparticle tumor localization, disruption of autophagosomal trafficking, and prolonged drug delivery improve survival in peritoneal mesothelioma. Biomaterials, 2016, 102, 175-186.	11.4	25

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37	Progress in the Management of Early-Stage Nonâ€"Small Cell Lung Cancer in 2017. Journal of Thoracic Oncology, 2018, 13, 767-778.	1.1	24
38	Synthesis of poly(1,2-glycerol carbonate)â€"paclitaxel conjugates and their utility as a single high-dose replacement for multi-dose treatment regimens in peritoneal cancer. Chemical Science, 2017, 8, 8443-8450.	7.4	23
39	Paclitaxel-loaded expansile nanoparticles enhance chemotherapeutic drug delivery in mesothelioma 3-dimensional multicellular spheroids. Journal of Thoracic and Cardiovascular Surgery, 2015, 149, 1417-1425.e1.	0.8	22
40	Transbronchial biopsy catheter enhanced by a multisection continuum robot with follow-the-leader motion. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 2021-2029.	2.8	22
41	Accuracy and Reproducibility of Intraoperative Assessment on Tumor Spread Through Air Spaces in Stage 1 Lung Adenocarcinomas. Journal of Thoracic Oncology, 2021, 16, 619-629.	1.1	21
42	Facilitating cells: Novel promoters of stem cell alloengraftment and donor-specific transplantation tolerance in the absence of GVHD. Critical Reviews in Oncology/Hematology, 2007, 61, 26-43.	4.4	20
43	Two-Step Delivery: Exploiting the Partition Coefficient Concept to Increase Intratumoral Paclitaxel Concentrations In vivo Using Responsive Nanoparticles. Scientific Reports, 2016, 6, 18720.	3.3	20
44	Evaluation of expansile nanoparticle tumor localization and efficacy in a cancer stem cell-derived model of pancreatic peritoneal carcinomatosis. Nanomedicine, 2016, 11, 1001-1015.	3.3	20
45	Estimating the Impact of Extended Delay to Surgery for Stage I Non-small-cell Lung Cancer on Survival. Annals of Surgery, 2021, 273, 850-857.	4.2	20
46	Current Innovations in Sentinel Lymph Node Mapping for the Staging and Treatment of Resectable Lung Cancer. Seminars in Thoracic and Cardiovascular Surgery, 2014, 26, 201-209.	0.6	18
47	Attrition of the cardiothoracic surgeon-scientist: Definition of the problem and remedial strategies. Journal of Thoracic and Cardiovascular Surgery, 2019, 158, 504-508.	0.8	18
48	New USPSTF Guidelines for Lung Cancer Screening. JAMA Surgery, 2021, 156, 513.	4.3	18
49	Paclitaxel-Loaded Expansile Nanoparticles in a Multimodal Treatment Model of Malignant Mesothelioma. Annals of Thoracic Surgery, 2011, 92, 2007-2014.	1.3	17
50	Early Surgical Outcomes of En Bloc Resection Requiring Vertebrectomy for Malignancy Invading the Thoracic Spine. Annals of Thoracic Surgery, 2016, 101, 231-237.	1.3	17
51	Nanotechnology applications in thoracic surgery. European Journal of Cardio-thoracic Surgery, 2016, 50, 6-16.	1.4	15
52	Pancreatic Adenocarcinoma: Unconventional Approaches for an Unconventional Disease. Cancer Research, 2020, 80, 3179-3192.	0.9	15
53	Mixed Xenogeneic Chimerism Induces Donor-Specific Humoral and Cellular Immune Tolerance for Cardiac Xenografts. Journal of Immunology, 2004, 173, 5827-5834.	0.8	14
54	Stretchâ€Induced Drug Delivery from Superhydrophobic Polymer Composites: Use of Crack Propagation Failure Modes for Controlling Release Rates. Angewandte Chemie, 2016, 128, 2846-2850.	2.0	13

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55	Pneumonectomy is safe and effective for non-small cell lung cancer following induction therapy. Journal of Thoracic Disease, 2017, 9, 4447-4453.	1.4	13
56	Feasibility and acceptability of â€œhealthy directionsâ€•a lifestyle intervention for adults with lung cancer. Psycho-Oncology, 2018, 27, 250-257.	2.3	13
57	Pilot-scale production of expansile nanoparticles: Practical methods for clinical scale-up. Journal of Controlled Release, 2021, 337, 144-154.	9.9	11
58	Reinforcement of polymeric nanoassemblies for ultra-high drug loadings, modulation of stiffness and release kinetics, and sustained therapeutic efficacy. Nanoscale, 2018, 10, 8360-8366.	5.6	10
59	Paclitaxel-loaded expansile nanoparticles improve survival following cytoreductive surgery in pleural mesothelioma xenografts. Journal of Thoracic and Cardiovascular Surgery, 2020, 160, e159-e168.	0.8	10
60	Delivery of eupenifeldin via polymer-coated surgical buttresses prevents local lung cancer recurrence. Journal of Controlled Release, 2021, 331, 260-269.	9.9	10
61	G6PD functions as a metabolic checkpoint to regulate granzyme B expression in tumor-specific cytotoxic T lymphocytes. , 2022, 10, e003543.		10
62	H3K9me3 represses G6PD expression to suppress the pentose phosphate pathway and ROS production to promote human mesothelioma growth. Oncogene, 2022, , .	5.9	10
63	The feasibility of using an autologous GM-CSF-secreting breast cancer vaccine to induce immunity in patients with stage IIâ€“III and metastatic breast cancers. Breast Cancer Research and Treatment, 2022, 194, 65-78.	2.5	10
64	From Diagnosis to Treatment. Thoracic Surgery Clinics, 2016, 26, 215-228.	1.0	9
65	Tensionâ€Activated Delivery of Small Molecules and Proteins from Superhydrophobic Composites. Advanced Healthcare Materials, 2018, 7, e1701096.	7.6	8
66	Near-Infrared Sentinel Lymph Node Identification in Nonâ€“Small Cell Lung Cancer. JAMA Surgery, 2018, 153, 487.	4.3	8
67	Overuse of Diagnostic Brain Imaging Among Patients With Stage IA Nonâ€“Small Cell Lung Cancer. Journal of the National Comprehensive Cancer Network: JNCCN, 2020, 18, 547-554.	4.9	8
68	Clinical Outcomes After Lung Stereotactic Body Radiation Therapy in Patients With or Without a Prior Lung Resection. American Journal of Clinical Oncology: Cancer Clinical Trials, 2018, 41, 695-701.	1.3	7
69	Transatlantic Editorial: Attrition of the Cardiothoracic Surgeon-Scientist: Definition ofÂtheÂProblem and Remedial Strategies. Annals of Thoracic Surgery, 2019, 108, 315-318.	1.3	6
70	Finding the â€œTrueâ€•N0 Cohort. Annals of Surgery, 2020, 272, 583-588.	4.2	6
71	Green Herring Syndrome: Bacterial Infection in Patients With Mucormycosis Cavitary Lung Disease. Open Forum Infectious Diseases, 2014, 1, ofu014.	0.9	5
72	Ultra-high drug loading improves nanoparticle efficacy against peritoneal mesothelioma. Biomaterials, 2022, 285, 121534.	11.4	5

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73	Impact of Nodule Density in Women With Sublobar Resection for Stage IA Adenocarcinoma. Annals of Thoracic Surgery, 2021, 112, 1067-1075.	1.3	4
74	Supraclavicular Approach for Neurogenic Thoracic Outlet Syndrome: Description of a Learning Curve. Annals of Thoracic Surgery, 2021, 112, 1616-1623.	1.3	4
75	Sustainable glycerol terpolycarbonates as temporary bioadhesives. Biomaterials Science, 2021, 9, 8366-8372.	5.4	4
76	Incidence of Radiation Therapy Among Patients Enrolled in a Multidisciplinary Pulmonary Nodule and Lung Cancer Screening Clinic. JAMA Network Open, 2022, 5, e224840.	5.9	3
77	American Board of Thoracic Surgery 10-Year Maintenance of Certification Exam Improves and Validates Knowledge Acquisition. Annals of Thoracic Surgery, 2019, 108, 1895-1900.	1.3	2
78	Expansile Nanoparticles Encapsulate Factor Quinolinone Inhibitor 1 and Accumulate in Murine Liver upon Intravenous Administration. Biomacromolecules, 2020, 21, 1499-1506.	5.4	2
79	Lung Cancer Strategist Program: A novel care delivery model to improve timeliness of diagnosis and treatment in high-risk patients. Healthcare, 2021, 9, 100563.	1.3	2
80	Lung Cancer in Women. Annals of Thoracic Surgery, 2022, 114, 1965-1973.	1.3	2
81	A â€œgreenâ€•light for staging in early lung cancer. Journal of Thoracic and Cardiovascular Surgery, 2017, 154, 1134-1136.	0.8	1
82	Cover Image, Volume 9, Issue 3. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2017, 9, e1474.	6.1	1
83	Transatlantic Editorial: Attrition of the cardiothoracic surgeon-scientist: definition of the problem and remedial strategies. European Journal of Cardio-thoracic Surgery, 2019, 56, 220-223.	1.4	1
84	Coming in the NIR Future!. Annals of Thoracic Surgery, 2020, 110, 1436.	1.3	1
85	Superhydrophobic Materials: Triggered Drug Release from Superhydrophobic Meshes using Highâ€•Intensity Focused Ultrasound (Adv. Healthcare Mater. 9/2013). Advanced Healthcare Materials, 2013, 2, 1182-1182.	7.6	0
86	InnenrÃ¼cktitelbild: Stretchâ€•Induced Drug Delivery from Superhydrophobic Polymer Composites: Use of Crack Propagation Failure Modes for Controlling Release Rates (Angew. Chem. 8/2016). Angewandte Chemie, 2016, 128, 2997-2997.	2.0	0
87	A Glimpse of the Future With Intraoperative Molecular Imaging. Annals of Surgery, 2017, 266, e45.	4.2	0
88	Commentary: Tag, you're it! Finding and treating early lung cancers in a single setting. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, e217-e218.	0.8	0
89	Commentary: When â€œcutting edgeâ€•is â€œover the lineâ€•. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, 2541-2542.	0.8	0
90	Case 4-2021: A 70-Year-Old Woman with Dyspnea on Exertion and Abnormal Findings on Chest Imaging. New England Journal of Medicine, 2021, 384, 563-574.	27.0	0

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91	Pulmonary Hemosiderosis with Calcification Associated with IgA Nephropathy. American Journal of Respiratory and Critical Care Medicine, 2021, 204, e24-e25.	5.6	0
92	Genomic Evolution in a Patient With Lung Adenocarcinoma With a Germline EGFR T790M Mutation. JTO Clinical and Research Reports, 2021, 2, 100146.	1.1	0
93	FcRÎ³-Dependent Facilitating Cells Are Direct Inducers of Regulatory T Cells.. Blood, 2005, 106, 65-65.	1.4	0
94	Drs. Braunwald, McKiel and Tutunji.... Thank you!. Annals of Thoracic Surgery, 2022, , .	1.3	0