

Vlad C Sandulache

List of Publications by Year in descending order

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103
papers

3,357
citations

186265

28
h-index

168389

53
g-index

111
all docs

111
docs citations

111
times ranked

4860
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>TP53</i> Disruptive Mutations Lead to Head and Neck Cancer Treatment Failure through Inhibition of Radiation-Induced Senescence. <i>Clinical Cancer Research</i> , 2012, 18, 290-300.	7.0	254
2	Causes and consequences of adult laryngotracheal stenosis. <i>Laryngoscope</i> , 2015, 125, 1137-1143.	2.0	239
3	Gain-of-Function Mutant p53 Promotes Cell Growth and Cancer Cell Metabolism via Inhibition of AMPK Activation. <i>Molecular Cell</i> , 2014, 54, 960-974.	9.7	196
4	Glucose, not glutamine, is the dominant energy source required for proliferation and survival of head and neck squamous carcinoma cells. <i>Cancer</i> , 2011, 117, 2926-2938.	4.1	112
5	Patterns of Treatment Failure in Anaplastic Thyroid Carcinoma. <i>Thyroid</i> , 2017, 27, 672-681.	4.5	111
6	Vocal Fold Wound Healing: A Review for Clinicians. <i>Journal of Voice</i> , 2006, 20, 432-442.	1.5	105
7	Metformin use and improved response to therapy in esophageal adenocarcinoma. <i>Acta Oncologica</i> , 2013, 52, 1002-1009.	1.8	99
8	Disruptive <i>TP53</i> Mutation Is Associated with Aggressive Disease Characteristics in an Orthotopic Murine Model of Oral Tongue Cancer. <i>Clinical Cancer Research</i> , 2011, 17, 6658-6670.	7.0	94
9	Oncolytic Adenovirus Armed with BiTE, Cytokine, and Checkpoint Inhibitor Enables CAR T Cells to Control the Growth of Heterogeneous Tumors. <i>Molecular Therapy</i> , 2020, 28, 1251-1262.	8.2	89
10	Metformin use and improved response to therapy in rectal cancer. <i>Cancer Medicine</i> , 2013, 2, 99-107.	2.8	85
11	Prostaglandin E2 inhibition of keloid fibroblast migration, contraction, and transforming growth factor (TGF) β 1-induced collagen synthesis. <i>Wound Repair and Regeneration</i> , 2007, 15, 122-133.	3.0	77
12	Cisplatin generates oxidative stress which is accompanied by rapid shifts in central carbon metabolism. <i>Scientific Reports</i> , 2018, 8, 4306.	3.3	77
13	Kinetic Modeling and Constrained Reconstruction of Hyperpolarized [1- 13 C]-Pyruvate Offers Improved Metabolic Imaging of Tumors. <i>Cancer Research</i> , 2015, 75, 4708-4717.	0.9	69
14	Dose-volume correlates of mandibular osteoradionecrosis in Oropharynx cancer patients receiving intensity-modulated radiotherapy: Results from a case-matched comparison. <i>Radiotherapy and Oncology</i> , 2017, 124, 232-239.	0.6	69
15	Real-Time Genomic Characterization Utilizing Circulating Cell-Free DNA in Patients with Anaplastic Thyroid Carcinoma. <i>Thyroid</i> , 2017, 27, 81-87.	4.5	69
16	Primary vs delayed surgery for spontaneous pneumothorax in children: which is better?. <i>Journal of Pediatric Surgery</i> , 2005, 40, 166-169.	1.6	62
17	Glycolytic Inhibition Alters Anaplastic Thyroid Carcinoma Tumor Metabolism and Improves Response to Conventional Chemotherapy and Radiation. <i>Molecular Cancer Therapeutics</i> , 2012, 11, 1373-1380.	4.1	57
18	Radiation therapy dose is associated with improved survival for unresected anaplastic thyroid carcinoma: Outcomes from the National Cancer Data Base. <i>Cancer</i> , 2017, 123, 1653-1661.	4.1	55

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19	Association between metformin use and improved survival in patients with laryngeal squamous cell carcinoma. <i>Head and Neck</i> , 2014, 36, 1039-1043.	2.0	54
20	Phosphoproteomic Analysis of Signaling Pathways in Head and Neck Squamous Cell Carcinoma Patient Samples. <i>American Journal of Pathology</i> , 2011, 178, 548-571.	3.8	50
21	Individualizing antimetabolic treatment strategies for head and neck squamous cell carcinoma based on <i>TP53</i> mutational status. <i>Cancer</i> , 2012, 118, 711-721.	4.1	50
22	Salvage total laryngectomy after external beam radiotherapy: A 20-year experience. <i>Head and Neck</i> , 2016, 38, E1962-8.	2.0	50
23	Subglottic Stenosis Examined as a Fibrotic Response to Airway Injury Characterized by Altered Mucosal Fibroblast Activity. <i>JAMA Otolaryngology</i> , 2010, 136, 163.	1.2	49
24	Prostaglandin E2 differentially modulates human fetal and adult dermal fibroblast migration and contraction: implication for wound healing. <i>Wound Repair and Regeneration</i> , 2006, 14, 633-643.	3.0	48
25	Oropharyngeal squamous cell carcinoma in the veteran population: Association with traditional carcinogen exposure and poor clinical outcomes. <i>Head and Neck</i> , 2015, 37, 1246-1253.	2.0	40
26	Evaluation of Hyperpolarized [1- ¹³ C]-Pyruvate by Magnetic Resonance to Detect Ionizing Radiation Effects in Real Time. <i>PLoS ONE</i> , 2014, 9, e87031.	2.5	36
27	High-Risk <i>TP53</i> Mutations Are Associated with Extranodal Extension in Oral Cavity Squamous Cell Carcinoma. <i>Clinical Cancer Research</i> , 2018, 24, 1727-1733.	7.0	36
28	Head and neck cancer survivorship consensus statement from the American Head and Neck Society. <i>Laryngoscope Investigative Otolaryngology</i> , 2022, 7, 70-92.	1.5	35
29	Acquisition of Cisplatin Resistance Shifts Head and Neck Squamous Cell Carcinoma Metabolism toward Neutralization of Oxidative Stress. <i>Cancers</i> , 2020, 12, 1670.	3.7	33
30	Prostaglandin E2 differentially regulates contraction and structural reorganization of anchored collagen gels by human adult and fetal dermal fibroblasts. <i>Wound Repair and Regeneration</i> , 2009, 17, 88-98.	3.0	32
31	Self-management intervention for head and neck cancer couples: Results of a randomized pilot trial. <i>Cancer</i> , 2019, 125, 1176-1184.	4.1	31
32	Tobacco exposure as a major modifier of oncologic outcomes in human papillomavirus (HPV) associated oropharyngeal squamous cell carcinoma. <i>BMC Cancer</i> , 2020, 20, 912.	2.6	31
33	Impact of race/ethnicity on laryngeal cancer in patients treated at a Veterans Affairs Medical Center. <i>Laryngoscope</i> , 2013, 123, 2170-2175.	2.0	30
34	Glucocorticoids regulate extracellular matrix metabolism in human vocal fold fibroblasts. <i>Laryngoscope</i> , 2011, 121, 1915-1919.	2.0	29
35	Radial spectroscopic MRI of hyperpolarized [1- ¹³ C] pyruvate at 7 tesla. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 986-995.	3.0	28
36	Impact of race on oropharyngeal squamous cell carcinoma presentation and outcomes among veterans. <i>Head and Neck</i> , 2016, 38, 44-50.	2.0	28

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37	Metformin generates profound alterations in systemic and tumor immunity with associated antitumor effects. , 2021, 9, e002773.		28
38	Fetal Dermal Fibroblasts Retain a Hyperactive Migratory and Contractile Phenotype Under 2-and 3-Dimensional Constraints Compared to Normal Adult Fibroblasts. Tissue Engineering, 2007, 13, 2791-2801.	4.6	27
39	High expression of oxidative phosphorylation genes predicts improved survival in squamous cell carcinomas of the head and neck and lung. Scientific Reports, 2020, 10, 6380.	3.3	25
40	Computerized tumor multinucleation index (MuNI) is prognostic in p16+ oropharyngeal carcinoma. Journal of Clinical Investigation, 2021, 131, .	8.2	24
41	ERR1- and PGC1 β -associated mitochondrial alterations correlate with pan-cancer disparity in African Americans. Journal of Clinical Investigation, 2019, 129, 2351-2356.	8.2	24
42	Mucosal Wound Healing in a Rabbit Model of Subglottic Stenosis. JAMA Otolaryngology, 2005, 131, 153.	1.2	23
43	Elucidating the Role of Interleukin 1 β and Prostaglandin E2 in Upper Airway Mucosal Wound Healing. JAMA Otolaryngology, 2007, 133, 365.	1.2	23
44	Altered metabolism in head and neck squamous cell carcinoma: an opportunity for identification of novel biomarkers and drug targets. Head and Neck, 2012, 34, 282-290.	2.0	23
45	An Imaging Biomarker of Tumor-Infiltrating Lymphocytes to Risk-Stratify Patients With HPV-Associated Oropharyngeal Cancer. Journal of the National Cancer Institute, 2022, 114, 609-617.	6.3	23
46	Graded Carbon Dioxide Laser-Induced Subglottic Injury in the Rabbit Model. JAMA Otolaryngology, 2007, 133, 358.	1.2	22
47	Immunometabolic Determinants of Chemoradiotherapy Response and Survival in Head and Neck Squamous Cell Carcinoma. American Journal of Pathology, 2018, 188, 72-83.	3.8	22
48	Differential regulation of free-floating collagen gel contraction by human fetal and adult dermal fibroblasts in response to prostaglandin E2 mediated by an EP2/cAMP-dependent mechanism. Wound Repair and Regeneration, 2007, 15, 390-398.	3.0	21
49	Magnetic resonance imaging of swallowing-related structures in nasopharyngeal carcinoma patients receiving IMRT: Longitudinal dose-response characterization of quantitative signal kinetics. Radiotherapy and Oncology, 2016, 118, 315-322.	0.6	21
50	Prognostic factors associated with achieving total oral diet after glossectomy with microvascular free tissue transfer reconstruction. Oral Oncology, 2019, 92, 59-66.	1.5	19
51	Migrating Cells Retain Gap Junction Plaque Structure and Function. Cell Communication and Adhesion, 2008, 15, 273-288.	1.0	18
52	Acute Tumor Lactate Perturbations as a Biomarker of Genotoxic Stress: Development of a Biochemical Model. Molecular Cancer Therapeutics, 2015, 14, 2901-2908.	4.1	17
53	Using Ligand-Accelerated Catalysis to Repurpose Fluorogenic Reactions for Platinum or Copper. ACS Central Science, 2020, 6, 1772-1788.	11.3	16
54	Oropharyngeal cancer outcomes correlate with p16 status, multinucleation and immune infiltration. Modern Pathology, 2022, 35, 1045-1054.	5.5	16

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55	Integration of cancer genomics with treatment selection. <i>Cancer</i> , 2013, 119, 3914-3928.	4.1	15
56	Tracheoesophageal Prosthesis Use Is Associated With Improved Overall Quality of Life in Veterans With Laryngeal Cancer. <i>Annals of Otology, Rhinology and Laryngology</i> , 2018, 127, 421-428.	1.1	15
57	Prostaglandin (PG)E ₂ exhibits antifibrotic activity in vocal fold fibroblasts. <i>Laryngoscope</i> , 2011, 121, 1261-1265.	2.0	14
58	Treatment and survival of patients with insular thyroid carcinoma: 508 cases from the National Cancer Data Base. <i>Head and Neck</i> , 2016, 38, 906-912.	2.0	14
59	Free Flap Inset Techniques in Salvage Laryngopharyngectomy Repair: Impact on Fistula Formation and Function. <i>Laryngoscope</i> , 2021, 131, E875-E881.	2.0	14
60	Prognostic Significance of p16 Cellular Localization in Oropharyngeal Squamous Cell Carcinoma. <i>Annals of Clinical and Laboratory Science</i> , 2016, 46, 132-9.	0.2	14
61	Adult-Fetal Fibroblast Interactions: Effects on Cell Migration and Implications for Cell Transplantation. <i>Cell Transplantation</i> , 2005, 14, 331-337.	2.5	13
62	Quantitative Dynamic Contrast-Enhanced MRI Identifies Radiation-Induced Vascular Damage in Patients With Advanced Osteoradionecrosis: Results of a Prospective Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, 1319-1328.	0.8	13
63	p16 Represses DNA Damage Repair via a Novel Ubiquitin-Dependent Signaling Cascade. <i>Cancer Research</i> , 2022, 82, 916-928.	0.9	13
64	Prostaglandin E2 is activated by airway injury and regulates fibroblast cytoskeletal dynamics. <i>Laryngoscope</i> , 2009, 119, 1365-1373.	2.0	12
65	Cyclooxygenase-2 signaling in vocal fold fibroblasts. <i>Laryngoscope</i> , 2010, 120, 1826-1831.	2.0	12
66	Residual nodal disease in patients with advanced-stage oropharyngeal squamous cell carcinoma treated with definitive radiation therapy and posttreatment neck dissection: Association with locoregional recurrence, distant metastasis, and decreased survival. <i>Head and Neck</i> , 2013, 35, 1454-1460.	2.0	12
67	Treatment Patterns in Veterans with Laryngeal and Oropharyngeal Cancer and Impact on Survival. <i>Laryngoscope Investigative Otolaryngology</i> , 2018, 3, 275-282.	1.5	12
68	Demographic and Tumor Characteristic Impact on Laryngeal Cancer Outcomes in a Minority Underserved Patient Population. <i>Otolaryngology - Head and Neck Surgery</i> , 2020, 162, 888-896.	1.9	12
69	National trends in oropharyngeal cancer incidence and survival within the Veterans Affairs Health Care System. <i>Head and Neck</i> , 2021, 43, 108-115.	2.0	12
70	High-throughput hyperpolarized ¹³ C metabolic investigations using a multi-channel acquisition system. <i>Journal of Magnetic Resonance</i> , 2015, 260, 20-27.	2.1	11
71	A Hidden Epidemic of "Intermediate Risk" Oropharynx Cancer. <i>Laryngoscope Investigative Otolaryngology</i> , 2019, 4, 617-623.	1.5	11
72	A High-throughput Approach to Identify Effective Systemic Agents for the Treatment of Anaplastic Thyroid Carcinoma. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 2962-2978.	3.6	10

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73	Esomeprazole enhances the effect of ionizing radiation to improve tumor control. <i>Oncotarget</i> , 2021, 12, 1339-1353.	1.8	10
74	Incompletely treated malignancies of the major salivary gland: Toward evidence-based care. <i>Head and Neck</i> , 2018, 40, 1630-1638.	2.0	8
75	Prognostic factors associated with achieving total oral diet following osteocutaneous microvascular free tissue transfer reconstruction of the oral cavity. <i>Oral Oncology</i> , 2019, 98, 1-7.	1.5	8
76	Early glottic cancer in a veteran population: Impact of race on management and outcomes. <i>Laryngoscope</i> , 2020, 130, 1733-1739.	2.0	8
77	Incidence and survival for oropharynx and non-oropharynx head and neck cancers among veterans living with HIV. <i>Cancer Medicine</i> , 2020, 9, 9326-9335.	2.8	8
78	Metabolic interrogation as a tool to optimize chemotherapeutic regimens. <i>Oncotarget</i> , 2017, 8, 18154-18165.	1.8	8
79	Swallowing Function in Survivors of Oropharyngeal Cancer Is Associated With Advanced T Classification. <i>Annals of Otology, Rhinology and Laryngology</i> , 2019, 128, 696-703.	1.1	7
80	Development of a rational strategy for integration of lactate dehydrogenase A suppression into therapeutic algorithms for head and neck cancer. <i>British Journal of Cancer</i> , 2021, 124, 1670-1679.	6.4	7
81	Consistent multimodality approach to oral cavity and high-risk oropharyngeal cancer in veterans. <i>American Journal of Otolaryngology - Head and Neck Medicine and Surgery</i> , 2021, 42, 103166.	1.3	7
82	Gastrostomy Utilization by Oropharyngeal Cancer Patients Is Partially Driven by Swallowing Function. <i>Laryngoscope</i> , 2020, 130, 2153-2159.	2.0	6
83	Biomarkers for Malignant Potential in Vocal Fold Leukoplakia: A State of the Art Review. <i>Otolaryngology - Head and Neck Surgery</i> , 2021, 164, 751-758.	1.9	6
84	Evaluating Response to Metformin/Cisplatin Combination in Cancer Cells via Metabolic Measurement and Clonogenic Survival. <i>Methods in Molecular Biology</i> , 2014, 1165, 11-18.	0.9	6
85	Integrative genomic analysis reveals low T-cell infiltration as the primary feature of tobacco use in HPV-positive oropharyngeal cancer. <i>IScience</i> , 2022, 25, 104216.	4.1	6
86	Emotional disclosure and cognitive processing in couples coping with head and neck cancer. <i>Journal of Behavioral Medicine</i> , 2020, 43, 411-425.	2.1	5
87	Human epidermal growth factor receptor 2 expression in head and neck squamous cell carcinoma: Variation within and across primary tumor sites, and implications for antigen-specific immunotherapy. <i>Head and Neck</i> , 2021, 43, 1983-1994.	2.0	4
88	Abstract 574: Overexpression of HER2 in head and neck cancer represents a potential target for T cell immunotherapy. <i>Cancer Research</i> , 2019, 79, 574-574.	0.9	4
89	Fibroblast Transplantation in the Airway. <i>JAMA Otolaryngology</i> , 2005, 131, 1090.	1.2	3
90	Cyclooxygenase-2 Inhibition for the Prevention of Subglottic Stenosis. <i>JAMA Otolaryngology</i> , 2012, 138, 962.	1.2	3

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91	Institutional financial toxicity of failure to adhere to treatment guidelines for head and neck squamous cell carcinoma. <i>Head and Neck</i> , 2021, 43, 816-824.	2.0	3
92	A phase II study of PRV111 nanoengineered cisplatin patch as a neoadjuvant therapy for early-stage oral squamous cell carcinoma (OSCC).. <i>Journal of Clinical Oncology</i> , 2021, 39, 6056-6056.	1.6	3
93	Immune-related adverse events and immunotherapy efficacy in patients with cancer: A retrospective study.. <i>Journal of Clinical Oncology</i> , 2022, 40, 2654-2654.	1.6	2
94	Reconstructive Outcomes of Multilayered Closure of Large Skull Base Dural Defects Following Open Anterior Craniofacial Resection. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2022, 83, 359-366.	0.8	1
95	Clinical genomic testing of anaplastic thyroid carcinoma (ATC) and need for integration into future prospective clinical trials.. <i>Journal of Clinical Oncology</i> , 2016, 34, 6085-6085.	1.6	1
96	Association between body mass index and treatment efficacy with immune checkpoint inhibitor therapy: A retrospective study.. <i>Journal of Clinical Oncology</i> , 2022, 40, 2598-2598.	1.6	1
97	Management of Obstructive Sleep Apnea in the Indigent Population. <i>Otolaryngology - Head and Neck Surgery</i> , 2014, 150, 346-347.	1.9	0
98	Abstract 870: Immunogenetic determinants of head and neck cancer in Veterans in the Million Veteran Program cohort. , 2021, , .		0
99	Combined anterior cervical spine fusion and total laryngopharyngectomy with free flap reconstruction: A technical note. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2021, 25, 101238.	0.3	0
100	Use of Biguanides to Improve Response to Chemotherapy. <i>Methods in Molecular Biology</i> , 2014, 1165, 3-9.	0.9	0
101	Abstract B07: Using magnetic resonance and hyperpolarized tracers to monitor solid tumor progression, metastasis, and response to treatment. , 2014, , .		0
102	Temporal Bone Paraganglioma Presenting as a Bezoldâ€™s Abscess and Necrotizing Fasciitis. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2018, 79, S1-S188.	0.8	0
103	Safety of microvascular free tissue transfer reconstruction of the head and neck in the setting of chronic pharmacologic immunosuppression. <i>Head and Neck</i> , 2022, , .	2.0	0