

# Senada Koljenovic

## List of Publications by Year in descending order

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74  
papers

2,456  
citations

201575

27  
h-index

214721

47  
g-index

75  
all docs

75  
docs citations

75  
times ranked

3107  
citing authors

#	ARTICLE	IF	CITATIONS
1	Discriminating Vital Tumor from Necrotic Tissue in Human Glioblastoma Tissue Samples by Raman Spectroscopy. <i>Laboratory Investigation</i> , 2002, 82, 1265-1277.	1.7	188
2	Detection of Meningioma in Dura Mater by Raman Spectroscopy. <i>Analytical Chemistry</i> , 2005, 77, 7958-7965.	3.2	138
3	Raman spectroscopy for cancer detection and cancer surgery guidance: translation to the clinics. <i>Analyst, The</i> , 2017, 142, 3025-3047.	1.7	134
4	Discrimination between Oral Cancer and Healthy Tissue Based on Water Content Determined by Raman Spectroscopy. <i>Analytical Chemistry</i> , 2015, 87, 2419-2426.	3.2	127
5	Tissue characterization using high wave number Raman spectroscopy. <i>Journal of Biomedical Optics</i> , 2005, 10, 031116.	1.4	125
6	Real-time fluorescence imaging in intraoperative decision making for cancer surgery. <i>Lancet Oncology, The</i> , 2021, 22, e186-e195.	5.1	122
7	Resection margins in oral cancer surgery: Room for improvement. <i>Head and Neck</i> , 2016, 38, E2197-203.	0.9	121
8	Towards oncological application of Raman spectroscopy. <i>Journal of Biophotonics</i> , 2009, 2, 29-36.	1.1	110
9	Raman microspectroscopic mapping studies of human bronchial tissue. <i>Journal of Biomedical Optics</i> , 2004, 9, 1187.	1.4	97
10	A beneficial tumor microenvironment in oropharyngeal squamous cell carcinoma is characterized by a high T cell and low IL-17+ cell frequency. <i>Cancer Immunology, Immunotherapy</i> , 2016, 65, 393-403.	2.0	77
11	Water Concentration Analysis by Raman Spectroscopy to Determine the Location of the Tumor Border in Oral Cancer Surgery. <i>Cancer Research</i> , 2016, 76, 5945-5953.	0.4	74
12	Investigation of the potential of Raman spectroscopy for oral cancer detection in surgical margins. <i>Laboratory Investigation</i> , 2015, 95, 1186-1196.	1.7	71
13	Raman Spectroscopic Characterization of Porcine Brain Tissue Using a Single Fiber-Optic Probe. <i>Analytical Chemistry</i> , 2007, 79, 557-564.	3.2	69
14	Depth of invasion in early stage oral cavity squamous cell carcinoma: The optimal cut-off value for elective neck dissection. <i>Oral Oncology</i> , 2020, 111, 104940.	0.8	48
15	Recurrence rate of lentigo maligna after micrographically controlled staged surgical excision. <i>British Journal of Dermatology</i> , 2016, 174, 588-593.	1.4	47
16	Prognostic role of tumor infiltrating lymphocytes in EBV positive and EBV negative nasopharyngeal carcinoma. <i>Oral Oncology</i> , 2017, 71, 16-25.	0.8	47
17	Raman Spectroscopic Characterization of Melanoma and Benign Melanocytic Lesions Suspected of Melanoma Using High-Wavenumber Raman Spectroscopy. <i>Analytical Chemistry</i> , 2016, 88, 7683-7688.	3.2	46
18	Next generation diagnostic molecular pathology: Critical appraisal of quality assurance in Europe. <i>Molecular Oncology</i> , 2014, 8, 830-839.	2.1	44

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19	Development and validation of Raman spectroscopic classification models to discriminate tongue squamous cell carcinoma from non-tumorous tissue. <i>Oral Oncology</i> , 2016, 60, 41-47.	0.8	40
20	Improving clinical diagnosis of early-stage cutaneous melanoma based on Raman spectroscopy. <i>British Journal of Cancer</i> , 2018, 119, 1339-1346.	2.9	40
21	Prognostic role of tumour-associated macrophages and regulatory T cells in EBV-positive and EBV-negative nasopharyngeal carcinoma. <i>Journal of Clinical Pathology</i> , 2018, 71, 267-274.	1.0	39
22	An updated European Organisation for Research and Treatment of Cancer (EORTC) protocol for pathological evaluation of sentinel lymph nodes for melanoma. <i>European Journal of Cancer</i> , 2019, 114, 1-7.	1.3	38
23	Raman spectroscopy for assessment of bone resection margins in mandibulectomy for oral cavity squamous cell carcinoma. <i>European Journal of Cancer</i> , 2018, 92, 77-87.	1.3	37
24	The unveiled reality of human papillomavirus as risk factor for oral cavity squamous cell carcinoma. <i>International Journal of Cancer</i> , 2021, 149, 420-430.	2.3	35
25	Precursor lesions of vulvar squamous cell carcinoma " histology and biomarkers: A systematic review. <i>Critical Reviews in Oncology/Hematology</i> , 2020, 147, 102866.	2.0	32
26	Differentiated vulvar intraepithelial neoplasia (dVIN): the most helpful histological features and the utility of cytokeratins 13 and 17. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2018, 473, 739-747.	1.4	31
27	Specimen-driven intraoperative assessment of resection margins should be standard of care for oral cancer patients. <i>Oral Diseases</i> , 2021, 27, 111-116.	1.5	31
28	SOX10 is as specific as S100 protein in detecting metastases of melanoma in lymph nodes and is recommended for sentinel lymph node assessment. <i>European Journal of Cancer</i> , 2020, 137, 175-182.	1.3	27
29	Raman spectroscopic analysis of the molecular composition of oral cavity squamous cell carcinoma and healthy tongue tissue. <i>Analyst, The</i> , 2018, 143, 4090-4102.	1.7	26
30	Method development: Raman spectroscopy-based histopathology of oral mucosa. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 963-972.	1.2	24
31	Relocation of inadequate resection margins in the wound bed during oral cavity oncological surgery: A feasibility study. <i>Head and Neck</i> , 2019, 41, 2159-2166.	0.9	24
32	Is the Depth of Invasion a Marker for Elective Neck Dissection in Early Oral Squamous Cell Carcinoma?. <i>Frontiers in Oncology</i> , 2021, 11, 628320.	1.3	22
33	Tissue inhibitor of metalloproteinase-3 (TIMP3) expression decreases during melanoma progression and inhibits melanoma cell migration. <i>European Journal of Cancer</i> , 2016, 66, 34-46.	1.3	20
34	Association of TIMP3 expression with vessel density, macrophage infiltration and prognosis in human malignant melanoma. <i>European Journal of Cancer</i> , 2016, 53, 135-143.	1.3	19
35	Implementation of a novel low-noise InGaAs detector enabling rapid near-infrared multichannel Raman spectroscopy of pigmented biological samples. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 652-660.	1.2	15
36	Risk Factors for Positive Deep Pelvic Nodal Involvement in Patients with Palpable Groin Melanoma Metastases: Can the Extent of Surgery be Safely Minimized?. <i>Annals of Surgical Oncology</i> , 2015, 22, 1172-1180.	0.7	14

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37	Absent and abundant MET immunoreactivity is associated with poor prognosis of patients with oral and oropharyngeal squamous cell carcinoma. <i>Oncotarget</i> , 2016, 7, 13167-13181.	0.8	14
38	Unmet Needs and Perspectives in Oral Cancer Prevention. <i>Cancers</i> , 2022, 14, 1815.	1.7	14
39	Gene Expression Clustering and Selected Head and Neck Cancer Gene Signatures Highlight Risk Probability Differences in Oral Premalignant Lesions. <i>Cells</i> , 2020, 9, 1828.	1.8	13
40	Intraoperative Assessment of the Resection Specimen Facilitates Achievement of Adequate Margins in Oral Carcinoma. <i>Frontiers in Oncology</i> , 2020, 10, 614593.	1.3	13
41	Histological interpretation of differentiated vulvar intraepithelial neoplasia (dVIN) remains challenging—observations from a bi-national ring-study. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2021, 479, 305-315.	1.4	13
42	The complementary value of intraoperative fluorescence imaging and Raman spectroscopy for cancer surgery: combining the incompatibles. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 2364-2376.	3.3	13
43	Characterization and subtraction of luminescence background signals in high-wavenumber Raman spectra of human tissue. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 699-709.	1.2	12
44	Long-term outcomes following stereotactic body radiotherapy boost for oropharyngeal squamous cell carcinoma. <i>Acta Oncologica</i> , 2019, 58, 926-933.	0.8	11
45	Natural moisturizing factor as a clinical marker in atopic dermatitis. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 188-190.	2.7	11
46	A Novel Spectroscopically Determined Pharmacodynamic Biomarker for Skin Toxicity in Cancer Patients Treated with Targeted Agents. <i>Cancer Research</i> , 2017, 77, 557-565.	0.4	10
47	Evaluation of bone resection margins of segmental mandibulectomy for oral squamous cell carcinoma. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2018, 47, 959-964.	0.7	10
48	Performance of Intraoperative Assessment of Resection Margins in Oral Cancer Surgery: A Review of Literature. <i>Frontiers in Oncology</i> , 2021, 11, 628297.	1.3	10
49	Nine per cent of biopsy-proven lentigo maligna lesions are reclassified as lentigo maligna melanoma after surgery. <i>British Journal of Dermatology</i> , 2019, 181, 383-384.	1.4	9
50	Evaluation of Immunohistochemical Markers, CK17 and SOX2, as Adjuncts to p53 for the Diagnosis of Differentiated Vulvar Intraepithelial Neoplasia (dVIN). <i>Pharmaceuticals</i> , 2021, 14, 324.	1.7	9
51	Molecular profile of nasopharyngeal carcinoma: analysing tumour suppressor gene promoter hypermethylation by multiplex ligation-dependent probe amplification. <i>Journal of Clinical Pathology</i> , 2018, 71, 351-359.	1.0	8
52	Improved stratification of pT1 melanoma according to the 8th American Joint Committee on Cancer staging edition criteria: A Dutch population-based study. <i>European Journal of Cancer</i> , 2018, 92, 100-107.	1.3	8
53	Malignant transformation of salivary gland pleomorphic adenoma: proof of principle. <i>Journal of Pathology: Clinical Research</i> , 2021, 7, 432-437.	1.3	8
54	Pigmented black neuroendocrine tumour of the pancreas diagnosed by fine needle aspiration cytology. <i>Cytopathology</i> , 2010, 21, 270-272.	0.4	7

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55	Optical Imaging of Tumor Response to Hyperbaric Oxygen Treatment and Irradiation in an Orthotopic Mouse Model of Head and Neck Squamous Cell Carcinoma. <i>Molecular Imaging and Biology</i> , 2015, 17, 633-642.	1.3	7
56	Intraoperative Assessment of Resection Margins in Oral Cavity Cancer: This is the Way. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	7
57	Dissemination patterns and chronology of distant metastasis affect survival of patients with head and neck squamous cell carcinoma. <i>Oral Oncology</i> , 2021, 119, 105356.	0.8	7
58	Gamma probe and ultrasound guided fine needle aspiration cytology of the sentinel node (GULF) trial - overview of the literature, pilot and study protocol. <i>BMC Cancer</i> , 2017, 17, 258.	1.1	5
59	Gamma probe and ultrasound-guided fine needle aspiration cytology of the sentinel node (GULF) trial. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 1926-1933.	3.3	5
60	A novel immunohistochemical scoring system reveals associations of C-terminal MET, ectodomain shedding, and loss of E-cadherin with poor prognosis in oral squamous cell carcinoma. <i>Human Pathology</i> , 2020, 104, 42-53.	1.1	4
61	The Potential of MET Immunoreactivity for Prediction of Lymph Node Metastasis in Early Oral Tongue Squamous Cell Carcinoma. <i>Frontiers in Oncology</i> , 2021, 11, 638048.	1.3	4
62	Exploring Differentially Methylated Genes in Vulvar Squamous Cell Carcinoma. <i>Cancers</i> , 2021, 13, 3580.	1.7	4
63	MET ectodomain shedding is associated with poor disease-free survival of patients diagnosed with oral squamous cell carcinoma. <i>Modern Pathology</i> , 2020, 33, 1015-1032.	2.9	3
64	Experimental study on needle insertion force to minimize tissue deformation in tongue tissue. <i>Medical Engineering and Physics</i> , 2021, 97, 40-46.	0.8	3
65	Discriminating vital tumor from necrotic tissue in human glioblastoma samples by Raman microspectroscopy. <i>Microscopy and Microanalysis</i> , 2002, 8, 444-445.	0.2	2
66	Novel VECSEL for short-wave infrared Raman spectroscopy applications. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 872-877.	1.2	2
67	Nuclear factor- $\kappa$ B is downregulated in vulvar squamous cell carcinoma (VSCC): Unravelling differentially expressed genes in VSCC through gene expression dataset analysis. <i>Oncology Letters</i> , 2021, 21, 381.	0.8	2
68	Detecting head and neck lymph node metastases with white light reflectance spectroscopy; a pilot study. <i>Oral Oncology</i> , 2021, 123, 105627.	0.8	1
69	Mesenchymal-epithelial transition factor (MET) immunoreactivity in positive sentinel nodes from patients with melanoma. <i>Annals of Diagnostic Pathology</i> , 2022, 58, 151909.	0.6	1
70	The Occurrence of MET Ectodomain Shedding in Oral Cancer and Its Potential Impact on the Use of Targeted Therapies. <i>Cancers</i> , 2022, 14, 1491.	1.7	1
71	Relationship of human papillomavirus with seborrheic keratosis of the female genital tract - a case-series and literature review. <i>Histology and Histopathology</i> , 2021, , 18357.	0.5	1
72	Reply to Comment on "Improving clinical diagnosis of early-stage cutaneous melanoma based on Raman spectroscopy". <i>British Journal of Cancer</i> , 2019, 120, 865-866.	2.9	0

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73	Raman spectroscopy for guidance of vulvar cancer surgery: a pilot study. Biomedical Optics Express, 2021, 12, 3008.	1.5	0
74	Real-time fluorescence imaging for cancer surgery: a pathologist's perspective " Authors' reply. Lancet Oncology, The, 2021, 22, e283.	5.1	0