

# Henry Hirschberg

## List of Publications by Year in descending order

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101  
papers

2,683  
citations

159358

30  
h-index

205818

48  
g-index

101  
all docs

101  
docs citations

101  
times ranked

2511  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antigen Presentation by Vascular Endothelial Cells and Epidermal Langerhans Cells: The Role of HLA-DR. <i>Immunological Reviews</i> , 1982, 66, 57-77.	2.8	174
2	Photothermal treatment of glioma; an in vitro study of macrophage-mediated delivery of gold nanoshells. <i>Journal of Neuro-Oncology</i> , 2011, 104, 439-448.	1.4	131
3	Growth of precultured human glioma biopsy specimens in nude rat brain. <i>Journal of Neurosurgery</i> , 1999, 90, 125-132.	0.9	113
4	Macrophages as Cell-Based Delivery Systems for Nanoshells in Photothermal Therapy. <i>Annals of Biomedical Engineering</i> , 2012, 40, 507-515.	1.3	110
5	THE HUMAN MIXED LYMPHOCYTE-ENDOTHELIUM CULTURE INTERACTION. <i>Transplantation</i> , 1975, 19, 495-504.	0.5	96
6	Nanoparticle-loaded macrophage-mediated photothermal therapy: potential for glioma treatment. <i>Lasers in Medical Science</i> , 2015, 30, 1357-1365.	1.0	75
7	Influence of light fluence rate on the effects of photodynamic therapy in an orthotopic rat glioma model. <i>Journal of Neurosurgery</i> , 2006, 104, 109-117.	0.9	72
8	Disruption of the blood-brain barrier following ALA-mediated photodynamic therapy. <i>Lasers in Surgery and Medicine</i> , 2008, 40, 535-542.	1.1	72
9	Site-specific opening of the blood-brain barrier. <i>Journal of Biophotonics</i> , 2010, 3, 356-367.	1.1	68
10	Photodynamic Therapy of Human Glioma Spheroids Using 5-Aminolevulinic Acid. <i>Photochemistry and Photobiology</i> , 2000, 72, 128.	1.3	67
11	Cell mediated lympholysis: CML. A microplate technique requiring few target cells and employing a new method of supernatant collection. <i>Journal of Immunological Methods</i> , 1977, 16, 131-141.	0.6	66
12	Combined concurrent photodynamic and gold nanoshell loaded macrophage-mediated photothermal therapies: An in vitro study on squamous cell head and neck carcinoma. <i>Lasers in Surgery and Medicine</i> , 2014, 46, 310-318.	1.1	62
13	Development of a novel indwelling balloon applicator for optimizing light delivery in photodynamic therapy. <i>Lasers in Surgery and Medicine</i> , 2001, 29, 406-412.	1.1	60
14	Photochemical Internalization for Intracellular Drug Delivery. From Basic Mechanisms to Clinical Research. <i>Journal of Clinical Medicine</i> , 2020, 9, 528.	1.0	60
15	Photodynamic therapy of newly implanted glioma cells in the rat brain. <i>Lasers in Surgery and Medicine</i> , 2006, 38, 540-548.	1.1	52
16	Repetitive 5-aminolevulinic acid-mediated photodynamic therapy on human glioma spheroids. <i>Journal of Neuro-Oncology</i> , 2003, 62, 243-250.	1.4	51
17	Multicell tumor spheroids in photodynamic therapy. <i>Lasers in Surgery and Medicine</i> , 2006, 38, 555-564.	1.1	51
18	The effects of ultra low fluence rate single and repetitive photodynamic therapy on glioma spheroids. <i>Lasers in Surgery and Medicine</i> , 2009, 41, 578-584.	1.1	47

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19	Repetitive Photodynamic Therapy of Malignant Brain Tumors. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2006, 25, 261-280.	0.6	47
20	Enhanced cytotoxic effects of 5-aminolevulinic acid-mediated photodynamic therapy by concurrent hyperthermia in glioma spheroids. <i>Journal of Neuro-Oncology</i> , 2004, 70, 289-299.	1.4	44
21	Activating Photodynamic Therapy in vitro with Cerenkov Radiation Generated from Yttrium-90. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2016, 35, 185-192.	0.6	44
22	Targeted delivery of bleomycin to the brain using photo-chemical internalization of Clostridium perfringens epsilon prototoxin. <i>Journal of Neuro-Oncology</i> , 2009, 95, 317-329.	1.4	43
23	Increased nanoparticle-loaded exogenous macrophage migration into the brain following PDT-induced blood-brain barrier disruption. <i>Lasers in Surgery and Medicine</i> , 2013, 45, 524-532.	1.1	40
24	Intratumoral immunotoxin treatment of human malignant brain tumors in immunodeficient animals. <i>International Journal of Cancer</i> , 2002, 97, 846-852.	2.3	38
25	Photochemical internalization of bleomycin for glioma treatment. <i>Journal of Biomedical Optics</i> , 2012, 17, 058001.	1.4	38
26	Presentation of viral antigens by human vascular endothelial cells in vitro. <i>Human Immunology</i> , 1981, 2, 235-246.	1.2	37
27	Photodynamic therapy mediated immune therapy of brain tumors. <i>Neuroimmunology and Neuroinflammation</i> , 2018, 5, 27.	1.4	37
28	Characterizing low fluence thresholds for in vitro photodynamic therapy. <i>Biomedical Optics Express</i> , 2015, 6, 770.	1.5	32
29	ALA- and ALA-ester-mediated photodynamic therapy of human glioma spheroids. <i>Journal of Neuro-Oncology</i> , 2002, 57, 1-7.	1.4	31
30	Cell Mediated Photothermal Therapy of Brain Tumors. <i>Journal of NeuroImmune Pharmacology</i> , 2017, 12, 99-106.	2.1	31
31	Effects of Combined Photodynamic Therapy and Ionizing Radiation on Human Glioma Spheroids. <i>Photochemistry and Photobiology</i> , 2002, 76, 411.	1.3	30
32	Effects of ALA-mediated photodynamic therapy on the invasiveness of human glioma cells. <i>Lasers in Surgery and Medicine</i> , 2006, 38, 939-945.	1.1	30
33	Typing for HLA-D Determinants. Comparison of Typing Results using Homozygous Stimulating Cells and Primed Cultures. <i>Tissue Antigens</i> , 1976, 7, 213-219.	1.0	30
34	Macrophages as nanoparticle delivery vectors for photothermal therapy of brain tumors. <i>Therapeutic Delivery</i> , 2015, 6, 371-384.	1.2	30
35	5-Aminolevulinic acid-based photodynamic detection and therapy of brain tumors (review). <i>International Journal of Oncology</i> , 2002, 21, 577-82.	1.4	30
36	C-Reactive protein levels in the differential diagnosis of brain abscesses. <i>Journal of Neurosurgery</i> , 1987, 67, 358-360.	0.9	29

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37	99mTc-hexamethylpropyleneamine oxime leukocyte scintigraphy and C-reactive protein levels in the differential diagnosis of brain abscesses. <i>Journal of Neurosurgery</i> , 1992, 77, 732-736.	0.9	29
38	Neuronavigation in Intraoperative MRI. <i>Computer Aided Surgery</i> , 1999, 4, 200-207.	1.8	29
39	Cerebral edema following photodynamic therapy using endogenous and exogenous photosensitizers in normal brain. <i>Lasers in Surgery and Medicine</i> , 2011, 43, 892-900.	1.1	29
40	Immunotoxin treatment targeted to the high-molecular-weight melanoma-associated antigen prolonging the survival of immunodeficient rats with invasive intracranial human glioblastoma multiforme. <i>Journal of Neurosurgery</i> , 2004, 100, 320-327.	0.9	28
41	The effects of corticosteroids on the antigen presenting properties of human monocytes and endothelial cells. <i>Clinical Immunology and Immunopathology</i> , 1982, 23, 577-585.	2.1	26
42	Synergistic efficacy of ultrasound, sonosensitizers and chemotherapy: a review. <i>Therapeutic Delivery</i> , 2017, 8, 331-342.	1.2	25
43	Lymphocyte Activating Alloantigens on Human Epidermal Cells. <i>Tissue Antigens</i> , 1975, 6, 183-194.	1.0	23
44	Determination of fluence rate and temperature distributions in the rat brain; implications for photodynamic therapy. <i>Journal of Biomedical Optics</i> , 2007, 12, 014003.	1.4	22
45	Photochemical internalization-mediated nonviral gene transfection: polyamine core-shell nanoparticles as gene carrier. <i>Journal of Biomedical Optics</i> , 2014, 19, 105009.	1.4	21
46	Specific in vitro elimination of Histocompatibility Antigen Reactive Cells (HARC). <i>Journal of Immunological Methods</i> , 1973, 3, 251-263.	0.6	18
47	An indwelling brachytherapy balloon catheter: potential use as an intracranial light applicator for photodynamic therapy. <i>Journal of Neuro-Oncology</i> , 1999, 44, 15-21.	1.4	17
48	Increased sensitivity of glioma cells to 5-fluorocytosine following photo-chemical internalization enhanced nonviral transfection of the cytosine deaminase suicide gene. <i>Journal of Neuro-Oncology</i> , 2014, 118, 29-37.	1.4	17
49	Incorporation of Ultrasonic Imaging in an Optically Coupled Frameless Stereotactic System. , 1997, 68, 75-80.		16
50	Comparison of in vitro glioma cell cytotoxicity of LAK cells from glioma patients and healthy subjects. <i>Journal of Neurosurgery</i> , 1988, 69, 234-238.	0.9	15
51	Focused ultrasound-mediated sonochemical internalization: an alternative to light-based therapies. <i>Journal of Biomedical Optics</i> , 2016, 21, 078002.	1.4	15
52	Photothermal enhancement of chemotherapy mediated by gold-silica nanoshell-loaded macrophages: in vitro squamous cell carcinoma study. <i>Journal of Biomedical Optics</i> , 2016, 21, 018004.	1.4	15
53	Photochemical internalization enhanced macrophage delivered chemotherapy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2018, 21, 156-162.	1.3	15
54	Photothermal Therapy Employing Gold Nanoparticle- Loaded Macrophages as Delivery Vehicles: Comparing the Efficiency of Nanoshells Versus Nanorods. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2017, 36, 229-235.	0.6	14

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55	THE PRESENCE OF HLA-D DETERMINANTS ON HUMAN SKIN CELLS. <i>Transplantation</i> , 1976, 21, 343-346.	0.5	13
56	Photochemical Internalization-Mediated Delivery of Chemotherapeutic Agents in Human Breast Tumor Cell Lines. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2012, 31, 49-59.	0.6	13
57	Biomimetic Gold Nanoshell-Loaded Macrophage for Photothermal Biomedicine. <i>BioMed Research International</i> , 2020, 2020, 1-14.	0.9	13
58	Glioma cell growth inhibition following photochemical internalization enhanced non-viral PTEN gene transfection. <i>Lasers in Surgery and Medicine</i> , 2012, 44, 746-754.	1.1	12
59	Synergistic chemotherapy by combined moderate hyperthermia and photochemical internalization. <i>Biomedical Optics Express</i> , 2016, 7, 1240.	1.5	12
60	Macrophages as delivery vehicles for anticancer agents. <i>Therapeutic Delivery</i> , 2019, 10, 189-201.	1.2	12
61	A cost-minimising analysis of standard radiotherapy and two experimental therapies in glioblastoma. <i>Radiotherapy and Oncology</i> , 2002, 62, 227-231.	0.3	11
62	Enhancing the effects of chemotherapy by combined macrophage-mediated photothermal therapy (PTT) and photochemical internalization (PCI). <i>Lasers in Medical Science</i> , 2018, 33, 1747-1755.	1.0	11
63	Intercellular Bioimaging and Biodistribution of Gold Nanoparticle-Loaded Macrophages for Targeted Drug Delivery. <i>Electronics (Switzerland)</i> , 2020, 9, 1105.	1.8	11
64	Implementation of a Stereotactic Microscope Using an Optically Coupled Tracking System. <i>Stereotactic and Functional Neurosurgery</i> , 1996, 66, 96-101.	0.8	10
65	Characterization of optical and thermal distributions from an intracranial balloon applicator for photodynamic therapy. , 2001, , .		9
66	Utility of the F98 Rat Glioma Model for Photodynamic Therapy. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2007, 26, 149-155.	0.6	9
67	IMMUNOGENICITY OF FOREIGN TISSUES. <i>Transplantation</i> , 1981, 31, 96-97.	0.5	8
68	Motexafin gadolinium enhances the efficacy of aminolevulinic acid mediated-photodynamic therapy in human glioma spheroids. <i>Journal of Neuro-Oncology</i> , 2009, 91, 141-149.	1.4	8
69	The effects of low irradiance long duration photochemical internalization on glioma spheroids. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 26, 442-447.	1.3	8
70	Cell mediated lympholysis; a modified technique using 111indium-oxine-labelled targets. <i>Journal of Immunological Methods</i> , 1983, 60, 379-390.	0.6	7
71	Comparing the Effects of Light- or Sonic-Activated Drug Delivery: Photochemical/Sonochemical Internalization. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2016, 35, 91-98.	0.6	7
72	Photodynamic therapy enhances the efficacy of gene-directed enzyme prodrug therapy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2017, 18, 140-148.	1.3	6

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73	Limiting glioma development by photodynamic therapy-generated macrophage vaccine and allo-stimulation: an in vivo histological study in rats. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	1.4	6
74	Photothermal therapy of human glioma spheroids with gold-silica nanoshells and gold nanorods: a comparative study. , 2014, , .		5
75	HLA antigens on glioma cells from short term cultures. <i>Tissue Antigens</i> , 1982, 19, 146-153.	1.0	4
76	Human interleukin-2 activated cytotoxic cells kill autologous glioma cells in vitro. <i>Journal of Neuro-Oncology</i> , 1988, 6, 85-92.	1.4	4
77	Immunomagnetic separation of infiltrating T lymphocytes from brain tumors. <i>Journal of Neurosurgery</i> , 1989, 71, 218-223.	0.9	4
78	Stereotactic Target Localization Accuracy in Interventional Magnetic Resonance Imaging. <i>Stereotactic and Functional Neurosurgery</i> , 2002, 79, 191-201.	0.8	4
79	Interstitial light application for photodynamic therapy in a rat brain tumor model. , 2004, , .		4
80	Repetitive 5-aminolevulinic acid mediated photodynamic therapy of rat glioma. , 2004, , .		4
81	Stimulation of Human Lymphocytes by Allogenic Macrophages <i>in vitro</i> . <i>Tissue Antigens</i> , 1977, 10, 306-314.	1.0	4
82	Ultra low fluence rate photodynamic therapy: simulation of light emitted by the Cerenkov effect. <i>Proceedings of SPIE</i> , 2014, , .	0.8	4
83	Specificity of human histocompatibility antigen reactive cells in vitro. <i>Cellular Immunology</i> , 1974, 10, 458-466.	1.4	3
84	Photodynamic Therapy of Human Glioma Spheroids Using 5-Aminolevulinic Acid $\text{Ala}$ . <i>Photochemistry and Photobiology</i> , 2007, 72, 128-134.	1.3	3
85	Photosensitizer delivery by fibrin glue: potential for bypassing the blood-brain barrier. <i>Lasers in Medical Science</i> , 2020, 36, 1031-1038.	1.0	2
86	<title>Effects of photodynamic therapy on human glioma spheroids</title>. , 1999, , .		2
87	Inhibition of glioma development by doxorubicin-photochemical internalization generated macrophage vaccine: A survival study in rats. <i>Photodiagnosis and Photodynamic Therapy</i> , 2022, 38, 102879.	1.3	2
88	Comparing the effects of repetitive and chronic ALA mediated PDT on human glioma spheroids. , 2007, , .		1
89	Increased brain edema following 5-aminolevulinic acid mediated photodynamic in normal and tumor bearing rats. , 2007, , .		1
90	Enhanced gene transfection of macrophages by photochemical internalization: Potential for gene-directed enzyme prodrug therapy of gliomas. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 33, 102098.	1.3	1

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91	An improved in vitro photochemical internalization protocol for 3D spheroid cultures. Lasers in Medical Science, 2021, 36, 1567-1571.	1.0	1
92	Photochemical Internalization Enhanced Nonviral Suicide Gene Therapy. Methods in Molecular Biology, 2019, 1895, 165-176.	0.4	1
93	Photo-activated Cancer Therapy: Potential for Treatment of Brain Tumors. , 2013, , 253-271.		1
94	Radioimmunoassay in microtiter plates. Journal of Immunological Methods, 1987, 103, 55-58.	0.6	0
95	Effects of Combined Photodynamic Therapy and Ionizing Radiation on Human Glioma Spheroids. Photochemistry and Photobiology, 2007, 76, 411-416.	1.3	0
96	Photochemical internalization (PCI) enhanced nonviral transfection of tumor suppressor and pro-drug activating genes; a potential treatment modality for gliomas. Proceedings of SPIE, 2014, , .	0.8	0
97	Efficacy of combined photothermal therapy and chemotherapeutic drugs. Proceedings of SPIE, 2015, , .	0.8	0
98	Combined concurrent nanoshell loaded macrophage-mediated photothermal and photodynamic therapies. , 2015, , .		0
99	Macrophage mediated PCI enhanced gene-directed enzyme prodrug therapy. Proceedings of SPIE, 2015, , .	0.8	0
100	Accessory cell function of human endothelial cells: presentation of antigen to T cells. Developments in Cardiovascular Medicine, 1984, , 385-392.	0.1	0
101	Lasers in Diagnostics and Treatment of Brain Diseases. , 2014, , 117-144.		0