

Zvi Malik

List of Publications by Year in descending order

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75
papers

3,834
citations

136950

32
h-index

128289

60
g-index

75
all docs

75
docs citations

75
times ranked

2862
citing authors

#	ARTICLE	IF	CITATIONS
1	INACTIVATION OF GRAM-NEGATIVE BACTERIA BY PHOTOSENSITIZED PORPHYRINS. <i>Photochemistry and Photobiology</i> , 1992, 55, 89-96.	2.5	321
2	Eradication of <i>Propionibacterium acnes</i> by its endogenous porphyrins after illumination with high intensity blue light. <i>FEMS Immunology and Medical Microbiology</i> , 2003, 35, 17-24.	2.7	315
3	New trends in photobiology bactericidal effects of photoactivated porphyrins – An alternative approach to antimicrobial drugs. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1990, 5, 281-293.	3.8	295
4	Photodynamic inactivation of Gram-negative bacteria: Problems and possible solutions. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1992, 14, 262-266.	3.8	289
5	ALA induced photodynamic effects on Gram positive and negative bacteria. <i>Photochemical and Photobiological Sciences</i> , 2004, 3, 430.	2.9	164
6	Cultured mouse marrow stromal cell lines. II. Distinct subtypes differing in morphology, collagen types, myelopoietic factors, and leukemic cell growth modulating activities. <i>Journal of Cellular Physiology</i> , 1985, 122, 81-90.	4.1	122
7	The effect of EDTA and serum on endogenous porphyrin accumulation and photodynamic sensitization of human K562 leukemic cells. <i>Cancer Letters</i> , 1992, 65, 127-131.	7.2	117
8	FLUORESCENCE SPECTRAL CHANGES OF HEMATOPORPHYRIN DERIVATIVE UPON BINDING TO LIPID VESICLES, <i>Staphylococcus aureus</i> AND <i>Escherichia coli</i> CELLS. <i>Photochemistry and Photobiology</i> , 1985, 41, 429-435.	2.5	100
9	Mechanistic aspects of <i>Escherichia coli</i> photodynamic inactivation by cationic tetra-meso-(N-methylpyridyl)porphine. <i>Photochemical and Photobiological Sciences</i> , 2004, 3, 423.	2.9	99
10	Treatment of viral infections with 5-aminolevulinic acid and light. , 1997, 21, 351-358.		90
11	Cultured mouse marrow cell lines: Interactions between fibroblastoid cells and monocytes. <i>Journal of Cellular Physiology</i> , 1984, 118, 143-152.	4.1	86
12	Fourier Transform Multipixel Spectroscopy and Spectral Imaging of Protoporphyrin in Single Melanoma Cells. <i>Photochemistry and Photobiology</i> , 1996, 63, 608-614.	2.5	85
13	Effect of photoactivated hematoporphyrin derivative on the viability of <i>Staphylococcus aureus</i> . <i>Current Microbiology</i> , 1983, 8, 279-284.	2.2	76
14	The correlation between hydrophilicity of hypericins and helianthrone: internalization mechanisms, subcellular distribution and photodynamic action in colon carcinoma cells. <i>Photochemical and Photobiological Sciences</i> , 2002, 1, 483-491.	2.9	66
15	Photodynamic Therapy of Cutaneous Lymphoma Using 5-Aminolevulinic Acid Topical Application. <i>Dermatologic Surgery</i> , 2000, 26, 765-770.	0.8	65
16	Destruction of erythroleukemia, myelocytic leukemia and burkitt lymphoma cells by photoactivated protoporphyrin. <i>International Journal of Cancer</i> , 1980, 26, 495-500.	5.1	62
17	Inactivation of erythrocytic, lymphocytic and myelocytic leukemic cells by photoexcitation of endogenous porphyrins. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1989, 4, 195-205.	3.8	62
18	The kinetics of protoporphyrin fluorescence during ALA-PDT in human malignant skin tumors. <i>Cancer Letters</i> , 1997, 120, 229-234.	7.2	60

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19	The mechanism of photodynamic inactivation of <i>Staphylococcus aureus</i> by deuteroporphyrin. <i>Current Microbiology</i> , 1989, 19, 265-269.	2.2	58
20	Herpes simplex virus proteins are damaged following photodynamic inactivation with phthalocyanines. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1998, 44, 77-83.	3.8	58
21	Photodynamic effects of deuteroporphyrin on Gram-positive bacteria. <i>Current Microbiology</i> , 1987, 15, 251-258.	2.2	57
22	Temperature monitoring during photodynamic therapy of skin tumors with topical 5-aminolevulinic acid application. <i>Cancer Letters</i> , 1995, 93, 227-232.	7.2	53
23	The synergistic effect of PDT and oxacillin on clinical isolates of <i>Staphylococcus aureus</i> . <i>Lasers in Surgery and Medicine</i> , 2018, 50, 535-551.	2.1	50
24	PHOTOINDUCED DEGRADATION AND MODIFICATION OF PHOTOFRIN II IN CELLS in vitro. <i>Photochemistry and Photobiology</i> , 1988, 47, 363-367.	2.5	46
25	Subcellular Localization of Sulfonated Tetraphenyl Porphines in Colon Carcinoma Cells by Spectrally Resolved Imaging. <i>Photochemistry and Photobiology</i> , 1997, 65, 389-396.	2.5	46
26	An improved procedure for the isolation of plasmodesmata embedded in clean maize cell walls. <i>Plant Journal</i> , 1992, 2, 623-630.	5.7	43
27	In vivo effects of porphyrins on bacterial DNA. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1991, 11, 295-306.	3.8	39
28	In vivo and in vitro antitumor activity of butyroyloxymethyl-diethyl phosphate (AN-7), a histone deacetylase inhibitor, in human prostate cancer. <i>International Journal of Cancer</i> , 2005, 116, 226-235.	5.1	39
29	Multiple pathways are involved in protection of MCF-7 cells against death due to protein synthesis inhibition. <i>Journal of Cellular Physiology</i> , 1995, 163, 570-576.	4.1	38
30	Nuclear transport of photosensitizers during photosensitization and oxidative stress. <i>Biology of the Cell</i> , 2001, 93, 285-291.	2.0	38
31	Novel Multifunctional Acyloxyalkyl Ester Prodrugs of 5-Aminolevulinic Acid Display Improved Anticancer Activity Independent and Dependent on Photoactivation. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 7356-7369.	6.4	38
32	The bactericidal activity of a deuteroporphyrin-hemin mixture on gram-positive bacteria. A microbiological and spectroscopic study. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1990, 6, 419-430.	3.8	37
33	Characterization of Smoking-Induced Nasopharyngeal Lymphoid Hyperplasia. <i>Laryngoscope</i> , 1997, 107, 1635-1642.	2.0	34
34	The anticancer prodrugs of butyric acid AN-7 and AN-9, possess antiangiogenic properties. <i>Cancer Letters</i> , 2007, 256, 39-48.	7.2	34
35	The binding and photosensitization effects of tetrabenzoporphyrins and texaphyrin in bacterial cells. <i>Lasers in Medical Science</i> , 1993, 8, 197-203.	2.1	33
36	Restrictin-P/Stromal Activin A, Kills its Target Cells Via an Apoptotic Mechanism. <i>Growth Factors</i> , 1995, 12, 277-287.	1.7	33

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37	Electric depolarization of photosensitized cells: lipid vs. protein alterations. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1993, 1151, 257-264.	2.6	32
38	Dopamine-melanin is actively phagocytized by PC12 cells and cerebellar granular cells: possible implications for the etiology of Parkinson's disease. <i>Neuroscience Letters</i> , 1999, 260, 101-104.	2.1	31
39	Mitochondrial localization and photodamage during photodynamic therapy with tetraphenylporphines. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2000, 59, 92-102.	3.8	31
40	Modulating ALA-PDT efficacy of mutlidrug resistant MCF-7 breast cancer cells using ALA prodrug. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1926-1933.	2.9	31
41	In vivo photodynamic therapy with the new near-IR absorbing water soluble photosensitizer lutetium texaphyrin and a high intensity pulsed light delivery system. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1997, 39, 36-42.	3.8	29
42	A porphobilinogen deaminase (PBGD) Ran-binding protein interaction is implicated in nuclear trafficking of PBGD in differentiating glioma cells. <i>Oncogene</i> , 2003, 22, 5221-5228.	5.9	29
43	In Vitro and In Vivo Photosensitization by Protoporphyrins Possessing Different Lipophilicities and Vertical Localization in the Membrane. <i>Photochemistry and Photobiology</i> , 2006, 82, 1319.	2.5	29
44	ERYTHROPOIETIC PROTOPORPHYRIA: PHOTODYNAMIC TRANSFER OF PROTOPORPHYRIN FROM INTACT ERYTHROCYTES TO OTHER CELLS. <i>Photochemistry and Photobiology</i> , 1990, 51, 573-577.	2.5	28
45	Chromatin Condensation in Erythropoiesis Resolved by Multipixel Spectral Imaging: Differentiation Versus Apoptosis. <i>Journal of Histochemistry and Cytochemistry</i> , 1997, 45, 1097-1108.	2.5	28
46	Characterization of hemin antibacterial action on <i>Staphylococcus aureus</i> . <i>FEMS Microbiology Letters</i> , 1987, 48, 401-406.	1.8	25
47	Spectral Morphometric Characterization of B-CLL Cells Versus Normal Small Lymphocytes. <i>Journal of Histochemistry and Cytochemistry</i> , 1998, 46, 1113-1118.	2.5	21
48	Photosensitization by the Near-IR-absorbing Photosensitizer Lutetium Texaphyrin: Spectroscopic, In Vitro and In Vivo Studies. <i>Journal of Porphyrins and Phthalocyanines</i> , 1998, 02, 383-390.	0.8	20
49	Photofrin II induces cytokine secretion by mouse spleen cells and human peripheral mononuclear cells. <i>Immunopharmacology</i> , 1996, 31, 195-204.	2.0	19
50	Silencing of ALA dehydratase affects ALA-photodynamic therapy efficacy in K562 erythroleukemic cells. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 1461.	2.9	18
51	The centrality of PBGD expression levels on ALA-PDT efficacy. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1310-1317.	2.9	18
52	Effects of membrane physical parameters on hematoporphyrin-derivative binding to liposomes: A spectroscopic study. <i>Journal of Membrane Biology</i> , 1987, 97, 215-221.	2.1	16
53	Ultrastructural changes in the nuclei of human carcinoma cells after photodynamic treatment with haematoporphyrin derivative and tetrasodium-meso-tetra-(4-sulphonatophenyl)porphine. <i>Lasers in Medical Science</i> , 1988, 3, 195-206.	2.1	16
54	Growth-inhibitory effect of hemin on staphylococci. <i>Current Microbiology</i> , 1987, 14, 279-284.	2.2	15

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55	Fundamentals of 5-aminolevulinic acid photodynamic therapy and diagnosis: An overview. <i>Translational Biophotonics</i> , 2020, 2, e201900022.	2.7	14
56	Ultrastructural damage in photosensitized endothelial cells: Dependence on hematoporphyrin delivery pathways. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1992, 14, 359-368.	3.8	13
57	Spectral Imaging of MC540 During Murine and Human Colon Carcinoma Cell Differentiation. <i>Journal of Histochemistry and Cytochemistry</i> , 2001, 49, 147-153.	2.5	13
58	Multifunctional 5-aminolevulinic acid prodrugs activating diverse cell-death pathways. <i>Investigational New Drugs</i> , 2012, 30, 1028-1038.	2.6	13
59	Hybrid silica nanoparticles traceable by fluorescence and FT-IR spectroscopy: preparation, characterization and preliminary biological studies. <i>Journal of Materials Chemistry</i> , 2011, 21, 10883.	6.7	11
60	Pdots nanoparticles load photosensitizers and enhance efficiently their photodynamic effect by FRET. <i>RSC Advances</i> , 2015, 5, 18482-18491.	3.6	11
61	Spectrally Resolved Microscopy of GFP Trafficking. <i>Journal of Histochemistry and Cytochemistry</i> , 2002, 50, 1205-1212.	2.5	8
62	Comparative kinetics of damage to the plasma and mitochondrial membranes by intra-cellularly synthesized and externally-provided photosensitizers using multi-color FACS. <i>Photochemical and Photobiological Sciences</i> , 2013, 13, 38-47.	2.9	8
63	SINGLE-CELL PIGMENTATION OF PORPHYRA LINEARIS ANALYZED BY FOURIER TRANSFORM MULTI-PIXEL SPECTROSCOPY AND IMAGE ANALYSIS1. <i>Journal of Phycology</i> , 1997, 33, 425-432.	2.3	7
64	Spectrally resolved morphometry of the nucleus in hepatocytes stained by four histological methods. <i>The Histochemical Journal</i> , 1998, 30, 539-547.	0.6	6
65	Pros, cons and future prospects of ALA-photodiagnosis, phototherapy and pharmacology in cancer therapy – A mini review. <i>Photonics & Lasers in Medicine</i> , 2015, 4, .	0.2	6
66	Eradication of <i>Propionibacterium acnes</i> by its endogenic porphyrins after illumination with high intensity blue light. <i>FEMS Immunology and Medical Microbiology</i> , 2003, 35, 17-24.	2.7	6
67	INHIBITION OF MALIGNANT CELL PROLIFERATION BY CULTURE MEDIA CONDITIONED BY CARDIAC OR SKELETAL MUSCLE. <i>Cell Biology International</i> , 1997, 21, 133-144.	3.0	5
68	Bi-functional prodrugs of 5-aminolevulinic acid and butyric acid increase erythropoiesis in anemic mice in an erythropoietin-independent manner. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 91, 91-97.	4.0	5
69	Effect of Interferon on the Formation and Release of Intracellular Virions in NIH/3T3 Cells Chronically Infected with Moloney Murine Leukemia Virus. <i>Journal of Interferon Research</i> , 1983, 3, 33-44.	1.2	4
70	Photosensitization of differentiating friend erythroleukemic cells by hematoporphyrin derivative and the cholesterol effect. <i>International Journal of Cancer</i> , 1988, 42, 279-283.	5.1	4
71	Photothermic treatment of pigmented B16 melanoma using a broadband pulsed light delivery system. <i>Cancer Letters</i> , 2000, 157, 161-168.	7.2	4
72	Cell-death induced by discrete processes: Its reflection in cellular ion content revealed by X-ray microanalysis. <i>Micron and Microscopica Acta</i> , 1992, 23, 369-370.	0.2	3

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73	Biochemical and morphological changes in rat muscle cultures caused by 28,000 mol. wt toxin of <i>Bacillus thuringiensis israelensis</i> . <i>Toxicon</i> , 1994, 32, 1125-1136.	1.6	3
74	Light absorption and fluorescence, and photoacclimation features in the marine macroalga <i>Porphyra leucosticta</i> (Rhodophyta). <i>Israel Journal of Plant Sciences</i> , 2008, 56, 61-68.	0.5	3
75	Photodynamic inactivation of antibiotic-resistant Gram-positive bacteria: Challenges and opportunities. <i>Translational Biophotonics</i> , 2020, 2, e201900030.	2.7	3