

Natalia Mayumi Inada

List of Publications by Year in descending order

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119
papers

1,703
citations

304743

22
h-index

345221

36
g-index

125
all docs

125
docs citations

125
times ranked

1921
citing authors

#	ARTICLE	IF	CITATIONS
1	Features of third generation photosensitizers used in anticancer photodynamic therapy: Review. Photodiagnosis and Photodynamic Therapy, 2021, 34, 102091.	2.6	112
2	Curcumin as a photosensitizer: From molecular structure to recent advances in antimicrobial photodynamic therapy. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2020, 45, 100384.	11.6	106
3	Nanostructured electrospun nonwovens of poly(ϵ -caprolactone)/quaternized chitosan for potential biomedical applications. Carbohydrate Polymers, 2018, 186, 110-121.	10.2	68
4	Mitochondrial calcium overload triggers complement-dependent superoxide-mediated programmed cell death in <i>Trypanosoma cruzi</i> . Biochemical Journal, 2009, 418, 595-604.	3.7	63
5	Experience and BCC subtypes as determinants of MAL-PDT response: Preliminary results of a national Brazilian project. Photodiagnosis and Photodynamic Therapy, 2014, 11, 22-26.	2.6	56
6	Antibacterial Photodynamic Inactivation of Antibiotic-Resistant Bacteria and Biofilms with Nanomolar Photosensitizer Concentrations. ACS Infectious Diseases, 2020, 6, 1517-1526.	3.8	56
7	Graphene Oxide Mediated Broad-Spectrum Antibacterial Based on Bimodal Action of Photodynamic and Photothermal Effects. Frontiers in Microbiology, 2019, 10, 2995.	3.5	55
8	Core-sheath nanostructured chitosan-based nonwovens as a potential drug delivery system for periodontitis treatment. International Journal of Biological Macromolecules, 2020, 142, 521-534.	7.5	53
9	One-Pot Microwave-Assisted Synthesis of Carbon Dots and in vivo and in vitro Antimicrobial Photodynamic Applications. Frontiers in Microbiology, 2021, 12, 662149.	3.5	44
10	Mangifera indica L. extract (Vimang) inhibits Fe ²⁺ -citrate-induced lipoperoxidation in isolated rat liver mitochondria. Pharmacological Research, 2005, 51, 427-435.	7.1	42
11	Pneumonia treatment by photodynamic therapy with extracorporeal illumination – an experimental model. Physiological Reports, 2017, 5, e13190.	1.7	42
12	Photodiagnosis and treatment of condyloma acuminatum using 5-aminolevulinic acid and homemade devices. Photodiagnosis and Photodynamic Therapy, 2012, 9, 60-68.	2.6	38
13	Electrospun poly(lactic acid) nanofibers loaded with silver sulfadiazine/[Mg-Al] layered double hydroxide as an antimicrobial wound dressing. Polymers for Advanced Technologies, 2020, 31, 1377-1387.	3.2	37
14	Fast elimination of onychomycosis by hematoporphyrin derivative-photodynamic therapy. Photodiagnosis and Photodynamic Therapy, 2013, 10, 328-330.	2.6	34
15	Avoiding ventilator-associated pneumonia: Curcumin-functionalized endotracheal tube and photodynamic action. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22967-22973.	7.1	34
16	Visible-Light-Mediated Photodynamic Water Disinfection @ Bimetallic-Doped Hybrid Clay Nanocomposites. ACS Applied Materials & Interfaces, 2019, 11, 25483-25494.	8.0	31
17	UCP2 protects hypothalamic cells from TNF α -induced damage. FEBS Letters, 2008, 582, 3103-3110.	2.8	30
18	Mechanism of Trypanosoma cruzi death induced by Cratylia mollis seed lectin. Journal of Bioenergetics and Biomembranes, 2010, 42, 69-78.	2.3	30

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19	Strategies to Improve the Antimicrobial Efficacy of Photodynamic, Sonodynamic, and Sonophotodynamic Therapies. <i>Lasers in Surgery and Medicine</i> , 2021, 53, 1113-1121.	2.1	29
20	Long Term Effectiveness of Photodynamic Therapy for CIN Treatment. <i>Pharmaceuticals</i> , 2019, 12, 107.	3.8	28
21	Functionalizing the Mesoporous Silica Shell of Upconversion Nanoparticles To Enhance Bacterial Targeting and Killing via Photosensitizer-Induced Antimicrobial Photodynamic Therapy. <i>ACS Applied Bio Materials</i> , 2018, 1, 1028-1036.	4.6	25
22	Single visit PDT for basal cell carcinoma – A new therapeutic protocol. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 26, 375-382.	2.6	24
23	Photonic effects in natural nanostructures on <i>Morpho cypris</i> and <i>Greta oto</i> butterfly wings. <i>Scientific Reports</i> , 2020, 10, 5786.	3.3	24
24	Nebulization as a tool for photosensitizer delivery to the respiratory tract. <i>Journal of Biophotonics</i> , 2019, 12, e201800189.	2.3	23
25	Photolarvicidal effect of curcuminoids from <i>Curcuma longa</i> Linn. against <i>Aedes aegypti</i> larvae. <i>Journal of Asia-Pacific Entomology</i> , 2019, 22, 151-158.	0.9	23
26	In vitro photodynamic activity of chloro(5,10,15,20-tetraphenylporphyrinato)indium(III) loaded-poly(lactide-co-glycolide) nanoparticles in LNCaP prostate tumour cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2009, 94, 101-112.	3.8	22
27	Inhibition of Macrophage Oxidative Stress Prevents the Reduction of ABCA1 Transporter Induced by Advanced Glycated Albumin. <i>Lipids</i> , 2012, 47, 443-450.	1.7	22
28	Overall Results for a National Program of Photodynamic Therapy for Basal Cell Carcinoma: A Multicenter Clinical Study to Bring New Techniques to Social Health Care. <i>Cancer Control</i> , 2019, 26, 107327481985688.	1.8	21
29	Curcumin in formulations against <i>Aedes aegypti</i> : Mode of action, photolarvicidal and ovicidal activity. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 31, 101840.	2.6	21
30	Fluorescence guided PDT for optimization of the outcome of skin cancer treatment. <i>Frontiers in Physics</i> , 0, 3, .	2.1	20
31	Graphene Oxide Theranostic Effect: Conjugation of Photothermal and Photodynamic Therapies Based on an in vivo Demonstration. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 1601-1616.	6.7	19
32	Photodynamic therapy: Progress toward a scientific and clinical network in Latin America. <i>Photodiagnosis and Photodynamic Therapy</i> , 2016, 13, 261-266.	2.6	18
33	Treatment of recurrent pharyngotonsillitis by photodynamic therapy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2017, 18, 138-139.	2.6	18
34	Uncoupling and oxidative stress in liver mitochondria isolated from rats with acute iron overload. <i>Archives of Toxicology</i> , 2009, 83, 47-53.	4.2	17
35	Tuning the properties of carboxymethylchitosan-based porous membranes for potential application as wound dressing. <i>International Journal of Biological Macromolecules</i> , 2021, 166, 459-470.	7.5	16
36	Curcumin/d-mannitol as photolarvicide: induced delay in larval development time, changes in sex ratio and reduced longevity of <i>Aedes aegypti</i> . <i>Pest Management Science</i> , 2021, 77, 2530-2538.	3.4	15

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37	Irradiated cationic mesoporphyrin induces larger damage to isolated rat liver mitochondria than the anionic form. Archives of Biochemistry and Biophysics, 2007, 457, 217-224.	3.0	14
38	Manual Operated Ultraviolet Surface Decontamination for Healthcare Environments. Photomedicine and Laser Surgery, 2017, 35, 666-671.	2.0	14
39	Norovirus recovery from floors and air after various decontamination protocols. Journal of Hospital Infection, 2019, 103, 328-334.	2.9	14
40	Designing biocompatible and multicolor fluorescent hydroxyapatite nanoparticles for cell-imaging applications. Materials Today Chemistry, 2019, 14, 100211.	3.5	14
41	Biological effects of anionic meso-tetrakis (para-sulfonatophenyl) porphyrins modulated by the metal center. Studies in rat liver mitochondria. Chemico-Biological Interactions, 2009, 181, 400-408.	4.0	13
42	Development and comparison of two devices for treatment of onychomycosis by photodynamic therapy. Journal of Biomedical Optics, 2015, 20, 061109.	2.6	13
43	Hydrogel from all in all lignocellulosic sisal fibers macromolecular components. International Journal of Biological Macromolecules, 2021, 181, 978-989.	7.5	13
44	Luminescent Mesoporous Silica Nanohybrid Based on Drug Derivative Terbium Complex. Materials, 2019, 12, 933.	2.9	12
45	Biodegradable Silica-Based Nanoparticles with Improved and Safe Delivery of Protoporphyrin IX for the In Vivo Photodynamic Therapy of Breast Cancer. Advanced Therapeutics, 2020, 3, 2000022.	3.2	12
46	Evolution of surviving Streptococcus pyogenes from pharyngotonsillitis patients submit to multiple cycles of antimicrobial photodynamic therapy. Journal of Photochemistry and Photobiology B: Biology, 2020, 210, 111985.	3.8	11
47	In vitro Effect of a New Cinnamic Acid Derivative Against the Epimastigote Form of Trypanosoma cruzi. Arzneimittelforschung, 2009, 59, 207-211.	0.4	10
48	Photodynamic therapy associating Photogem® and blue LED on L929 and MDPC23 cell culture. Cell Biology International, 2010, 34, 343-351.	3.0	10
49	Effect of photodynamic therapy on the skin using the ultrashort laser ablation. Journal of Biophotonics, 2014, 7, 631-637.	2.3	10
50	Near-infrared photodynamic inactivation of <i>S. pneumoniae</i> and its interaction with RAW 264.7 macrophages. Journal of Biophotonics, 2018, 11, e201600283.	2.3	10
51	Photodynamic inactivation for in vitro decontamination of Staphylococcus aureus in whole blood. Photodiagnosis and Photodynamic Therapy, 2019, 28, 58-64.	2.6	10
52	Optimization for microbial incorporation and efficiency of photodynamic therapy using variation on curcumin formulation. Photodiagnosis and Photodynamic Therapy, 2020, 29, 101652.	2.6	10
53	Determination of the threshold dose distribution in photodynamic action from in vitro experiments. Journal of Photochemistry and Photobiology B: Biology, 2016, 162, 168-175.	3.8	9
54	A threshold dose distribution approach for the study of PDT resistance development. Journal of Photochemistry and Photobiology B: Biology, 2018, 182, 85-91.	3.8	9

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55	Environmental safety and mode of action of a novel curcumin-based photolarvicide. <i>Environmental Science and Pollution Research</i> , 2020, 27, 29204-29217.	5.3	9
56	Optical techniques for the diagnosis and treatment of lesions induced by the human papillomavirus " A resource letter. <i>Photodiagnosis and Photodynamic Therapy</i> , 2018, 23, 106-110.	2.6	8
57	Total mouth photodynamic therapy mediated by blue led and curcumin in individuals with AIDS. <i>Expert Review of Anti-Infective Therapy</i> , 2020, 18, 689-696.	4.4	8
58	Biofilm Destruction on Endotracheal Tubes by Photodynamic Inactivation. <i>Infectious Disorders - Drug Targets</i> , 2018, 18, 218-223.	0.8	8
59	Formulations of curcumin and d-mannitol as a photolarvicide against <i>Aedes aegypti</i> larvae: Sublethal photolarvicidal action, toxicity, residual evaluation, and small-scale field trial. <i>Photodiagnosis and Photodynamic Therapy</i> , 2022, 38, 102740.	2.6	8
60	Luminescent nanohybrids based on silica and silylated Ru(II)-Yb(III) heterobinuclear complex: new tools for biological media analysis. <i>Nanotechnology</i> , 2020, 31, 085709.	2.6	7
61	Bacterial Photoinactivation Using PLGA Electrospun Scaffolds. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 31406-31417.	8.0	7
62	HPV-induced condylomata acuminata treated by Photodynamic Therapy in comparison with trichloroacetic acid: A randomized clinical trial. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 35, 102465.	2.6	7
63	A quantitative study of in vivo protoporphyrin IX fluorescence build up during occlusive treatment phases. <i>Photodiagnosis and Photodynamic Therapy</i> , 2017, 18, 204-207.	2.6	6
64	Field cancerization treatment using topical photodynamic therapy: A comparison between two aminolevulinic acid derivatives. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 30, 101603.	2.6	6
65	Effect of laser on the remnant liver after the first 24 hours following 70% hepatectomy in rats. <i>Acta Cirurgica Brasileira</i> , 2011, 26, 470-474.	0.7	6
66	A look at photodynamic inactivation as a tool for pests and vector-borne diseases control. <i>Laser Physics Letters</i> , 2022, 19, 025601.	1.4	6
67	A Multicenter Clinical Study of Expected and Unexpected Side Reactions During and After Skin Cancer Treatment by Photodynamic Therapy. <i>Skinmed</i> , 2017, 15, 113-118.	0.0	6
68	A Promising Strategy for the Treatment of Onychomycosis with Curcumin and Photodynamic Therapy. <i>Journal of Pharmacy and Pharmacology</i> , 2015, 3, .	0.0	5
69	Three-Dimensional Nanoscale Morphological Surface Analysis of Polymeric Particles Containing <i>Allium sativum</i> Essential Oil. <i>Materials</i> , 2022, 15, 2635.	2.9	5
70	<i>Mangifera indica</i> L. extract (Vimang®) reduces plasma and liver cholesterol and leucocyte oxidative stress in hypercholesterolemic LDL receptor deficient mice. <i>Cell Biology International</i> , 2018, 42, 747-753.	3.0	4
71	Total mouth photodynamic therapy mediated by red LED and porphyrin in individuals with AIDS. <i>Lasers in Medical Science</i> , 2021, , 1.	2.1	4
72	Sonophotodynamic Therapy for the inactivation of <i>Staphylococcus aureus</i> biofilm. , 2019, , .		4

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73	Clinical study of anogenital condyloma acuminata treatment with photodynamic therapy including immunocompromised conditions. <i>Photodiagnosis and Photodynamic Therapy</i> , 2022, 37, 102735.	2.6	4
74	New acridinone derivative with trypanocidal activity. <i>International Journal of Antimicrobial Agents</i> , 2008, 31, 502-504.	2.5	3
75	Treatment of vulvar/vaginal condyloma by HPV: developed instrumentation and clinical report. <i>Proceedings of SPIE</i> , 2009, , .	0.8	3
76	Pulmonary decontamination for photodynamic inactivation with extracorporeal illumination. , 2014, , .		3
77	Adapting smartphones for low-cost optical medical imaging. , 2015, , .		3
78	Raman Microspectroscopy as a Tool to Elucidate the Efficacy of Topical Formulations Containing Curcumin. <i>Pharmaceuticals</i> , 2019, 12, 44.	3.8	3
79	HPV condylomatosis region treated with multiple sessions of MAL-PDT: A case report. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 31, 101812.	2.6	3
80	Photosensitizing nanoclays for efficient cell uptake and in vitro photodynamic therapy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 35, 102384.	2.6	3
81	Optical Based Diagnosis and Treatment of Onychomycosis. , 2016, , .		3
82	Investigation on the in vitro anti-Trichophyton activity of photosensitizers. <i>Photochemical and Photobiological Sciences</i> , 2022, 21, 1185-1192.	2.9	3
83	Efficacy of photodynamic therapy against larvae of <i>Aedes aegypti</i> : confocal microscopy and fluorescence-lifetime imaging. , 2014, , .		2
84	Photodynamic inactivation of microorganisms which cause pulmonary diseases with infrared light: an in vitro study. , 2014, , .		2
85	Evaluation of photodynamic effects of curcumin against the dengue vector <i>Aedes aegypti</i> (Diptera: Tj ETQq1 1,0.784314 rgBT /C 2,6	2.6	2
86	Photodegradation in the infrared region of indocyanine green in aqueous solution. , 2019, , .		2
87	MAL-associated methyl nicotinate for topical PDT improvement. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 213, 112071.	3.8	2
88	Wireless Portable Evaluation Platform for Photodynamic Therapy: In vitro Assays on Human Gastric Adenocarcinoma Cells. <i>IEEE Sensors Journal</i> , 2020, 20, 13950-13958.	4.7	2
89	Antimicrobial Photodynamic Therapy of the Respiratory Tract: From the Proof of Principles to Clinical Application. , 0, , .		2
90	A new photodynamic therapy protocol for nodular basal cell carcinoma treatment: Effectiveness and long-term follow-up. <i>Photodiagnosis and Photodynamic Therapy</i> , 2022, 37, 102668.	2.6	2

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91	Kidney decontamination during perfusion for transplantation procedure: In vitro and ex vivo viability analysis. <i>Journal of Biophotonics</i> , 2022, 15, .	2.3	2
92	Comparative in vivo study of precursors of PpIX (ALA and MAL) used topically in photodynamic therapy. , 2009, , .		1
93	Photodynamic therapy of cervical intraepithelial neoplasia. <i>Proceedings of SPIE</i> , 2014, , .	0.8	1
94	Fluorescence diagnosis of upper respiratory tract infections. , 2015, , .		1
95	Sclerodermiform BCC treated with multiple PDT sessions. <i>Photodiagnosis and Photodynamic Therapy</i> , 2016, 14, 91-92.	2.6	1
96	Photodynamic inactivation of contaminated blood with <i>Staphylococcus aureus</i> . , 2016, , .		1
97	High-risk HPV clearance and CIN 3 treated with MAL-PDT: A case report. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 31, 101937.	2.6	1
98	In vitro evaluation of photodynamic therapy using redox-responsive nanoparticles carrying PpIX. , 2018, , .		1
99	Photodynamic inactivation using curcuminoids and Photogem on <i>Caenorhabditis elegans</i> . , 2018, , .		1
100	Optical techniques for the microbiological control of blood. , 2019, , .		1
101	L 016 Positive Correlation between Severity of Atherosclerosis and Liver Mitochondrial Oxidative Stress. <i>Atherosclerosis Supplements</i> , 2009, 10, 34-35.	1.2	0
102	Onychomycosis diagnosis using fluorescence and infrared imaging systems. , 2015, , .		0
103	Comparison between two portable devices for widefield PpIX fluorescence during cervical intraepithelial neoplasia treatment. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
104	Chapter 15 Antimicrobial Photodynamic Therapy. , 2016, , 273-284.		0
105	Photodynamic therapy of Cervical Intraepithelial Neoplasia (CIN) high grade. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
106	Evaluation of PpIX formation in Cervical Intraepithelial Neoplasia I (CIN) using widefield fluorescence images. , 2016, , .		0
107	Synthesis and characterization of PLGA nanoparticles containing mixture of curcuminoids for optimization of photodynamic inactivation. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
108	The use of light-emitting diode imaging as exclusion criterion for melanoma diagnosis. <i>Journal of the American Academy of Dermatology</i> , 2019, 80, e49-e50.	1.2	0

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109	Using ultraviolet light for reduction of Staphylococcus aureus in preservation solutions for transplantation - an in vitro study. , 2019, , .		0
110	Follow-up of pressure ulcer treatment with photodynamic therapy, low level laser therapy and cellulose membrane. Journal of Wound Care, 2021, 30, 304-310.	1.2	0
111	Abstract B30: Resistance to Photodynamic Therapy in Non-Melanoma Skin Cancer Cells. , 2016, , .		0
112	Photodynamic therapy - designing optical systems for customized application. , 2018, , .		0
113	PDI using nebulized indocyanine green for pneumonia treatment. , 2018, , .		0
114	Fluorescence assessment of the delivery and distribution of nebulized indocyanine green in a murine model. , 2018, , .		0
115	Low-dose PDT on breast cancer spheroids. , 2018, , .		0
116	Advances in the clinical application of photodynamic action for pharyngotonsillitis treatment (Conference Presentation). , 2019, , .		0
117	Preliminaries results of clinical study of condylomas acuminata using PDT with new illumination devices (Conference Presentation). , 2019, , .		0
118	Economic evaluation of photodynamic therapy implementation for non-melanoma skin cancer in the Brazilian public health system (Conference Presentation). , 2019, , .		0
119	Long-term effectiveness and HPV clearance of low and high-grade cervical lesions treated with photodynamic therapy. , 2019, , .		0