Irene E Kochevar

List of Publications by Year
in descending order

52	1,711	394421	377865
papers	citations	19	34
		h-index	g-index

53	53	53	1739
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of Rose Bengal Dimerization on Photosensitization. Photochemistry and Photobiology, 2021, 97, 718-726.	2.5	8
2	Detection of singlet oxygen luminescence for experimental corneal rose bengal photodynamic antimicrobial therapy. Biomedical Optics Express, 2021, 12, 272.	2.9	11
3	Arginine as an Enhancer in Rose Bengal Photosensitized Corneal Crosslinking. Translational Vision Science and Technology, 2020, 9, 24.	2.2	7
4	Selective Equatorial Sclera Crosslinking in the Orbit Using a Metal-Coated Polymer Waveguide. , 2019, 60, 2563.		17
5	Medical Applications of Rose Bengalâ€•and Riboflavinâ€Photosensitized Protein Crosslinking. Photochemistry and Photobiology, 2019, 95, 1097-1115.	2.5	47
6	Enhancing Rose Bengal-Photosensitized Protein Crosslinking in the Cornea. , 2019, 60, 1845.		28
7	Sealing of Corneal Lacerations Using Photoactivated Rose Bengal Dye and Amniotic Membrane. Cornea, 2018, 37, 211-217.	1.7	6
8	Rose Bengal and Green Light Versus Riboflavinâ€“UVA Cross-Linking: Corneal Wound Repair Response. , 2018, 59, 4821.		17
9	Collagen-Based Photoactive Agent for Tissue Bonding. ACS Applied Materials & Interfaces, 2017, 9, 9265-9270.	8.0	22
10	Rose Bengal Binding to Collagen and Tissue Photobonding. ACS Omega, 2017, 2, 6646-6657.	3.5	41
11	Corneal Wound Repair After Rose Bengal and Green Light Crosslinking: Clinical and Histologic Study. , 2017, 58, 3471.		24
12	Interface Bonding With Corneal Crosslinking (CXL) After LASIK Ex Vivo. , 2017, 58, 6292.		8
13	Biomechanical Changes After In Vivo Collagen Cross-Linking With Rose Bengalâ€“Green Light and Riboflavin-UVA. , 2017, 58, 1612.		27
14	Flexible Optical Waveguides for Uniform Periscleral Cross-Linking. , 2017, 58, 2596.		22
15	Antimicrobial Blue Light Therapy for Infectious Keratitis: Ex Vivo and In Vivo Studies. , 2017, 58, 586.		23
16	Variations in the endogenous fluorescence of rabbit corneas after mechanical property alterations. Journal of Biomedical Optics, 2017, 22, 1.	2.6	2
17	UV-A Irradiation Activates Nrf2-Regulated Antioxidant Defense and Induces p53/Caspase3-Dependent Apoptosis in Corneal Endothelial Cells. , 2016, 57, 2319.		72
18	Corneal Resistance to Keratolysis After Collagen Crosslinking With Rose Bengal and Green Light. , 2016, 57, 6610.		21

#	Article	IF	Citations
19	Corneal Biomechanical Response Following Collagen Cross-Linking With Rose Bengalâ€“Green Light and Riboflavin-UVA. , 2016, 57, 992.		35
20	A light-activated amnion wrap strengthens colonic anastomosis and reduces peri-anastomotic adhesions. Lasers in Surgery and Medicine, 2016, 48, 530-537.	2.1	16
21	Light-Activated Sealing of Acellular Nerve Allografts following Nerve Gap Injury. Journal of Reconstructive Microsurgery, 2016, 32, 421-430.	1.8	12
22	Corneal Crosslinking With Rose Bengal and Green Light. Cornea, 2016, 35, 1234-1241.	1.7	49
23	Light-activated wound healing and tissue modification. Biochemist, 2016, 38, 20-23.	0.5	0
24	Decreased DJ-1 Leads to Impaired Nrf2-Regulated Antioxidant Defense and Increased UV-Aâ€“Induced Apoptosis in Corneal Endothelial Cells. , 2014, 55, 5551.		56
25	Collagen Cross-Linking Using Rose Bengal and Green Light to Increase Corneal Stiffness. , 2013, 54, 3426.		134
26	Photochemical tissue bonding: A potential strategy for treating limbal stem cell deficiency. Lasers in Surgery and Medicine, 2011, 43, 433-442.	2.1	25
27	Light-Initiated Bonding of Amniotic Membrane to Cornea. , 2011, 52, 9470.		50
28	Photochemical Sealing Improves Outcome Following Peripheral Neurorrhaphy. Journal of Surgical Research, 2009, 151, 33-39.	1.6	51
29	Photochemical Tissue Bonding: A Promising Technique for Peripheral Nerve Repair. Journal of Surgical Research, 2007, 143, 224-229.	1.6	60
30	Singlet Oxygen, but not Oxidizing Radicals, Induces Apoptosis in HL-60 CellsÂ¶. Photochemistry and Photobiology, 2007, 72, 548-553.	2.5	1
31	Singlet Oxygen-induced Activation of Akt/Protein Kinase B is Independent of Growth Factor ReceptorsÂ¶. Photochemistry and Photobiology, 2007, 78, 361-371.	2.5	2
32	Antagonism between GÎ±i2 and GÎ±i3 in CXCR3â€mediated signaling. FASEB Journal, 2006, 20, LB77.	0.5	1
33	124â€Photochemical Tissue Bonding of Apligraf to Skin. Wound Repair and Regeneration, 2005, 13, A28-A48.	3.0	0
34	Effects of UVR and UVRâ€induced Cytokines on Production of Extracellular Matrix Proteins and Proteases by Dermal Fibroblasts Cultured in Collagen Gels^{Â¶}. Photochemistry and Photobiology, 2004, 79, 86-93.	2.5	10
35	Singlet Oxygen Signaling: From Intimate to Global. Science Signaling, 2004, 2004, pe7-pe7.	3.6	61
36	Ultraviolet A Radiation Induces Rapid Apoptosis of Human Leukemia Cells by Fas Ligand-Independent Activation of the Fas Death PathwayÂ¶. Photochemistry and Photobiology, 2003, 78, 61-67.	2.5	2

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37	Protein kinase C inhibits singlet oxygen-induced apoptosis by decreasing caspase-8 activation. Oncogene, 2001, 20, 6764-6776.	5.9	51
38	Chronic Photodamage in Skin of Mast Cellâ€deficient Miceâ€¡. Photochemistry and Photobiology, 1999, 70, 248-253.	2.5	57
39	Photoaddition to DNA by Nonintercalated Chlorpromazine Molecules. Photochemistry and Photobiology, 1998, 68, 692-697.	2.5	16
40	Activation of protein kinase C is required for protection of cells against apoptosis induced by singlet oxygen. FEBS Letters, 1998, 437, 158-162.	2.8	35
41	Electron Transfer Quenching of the Rose Bengal Triplet State. Photochemistry and Photobiology, 1997, 66, 15-25.	2.5	140
42	Multiphoton Photochemistry in Biological Systems Introduction. Photochemistry and Photobiology, 1997, 66, 562-565.	2.5	13
43	Cell damage induced by Angiovist-370 and 308nm excimer laser radiation. , 1997, 20, 111-118.		0
44	RELAXATION OF VASCULAR SMOOTH MUSCLE INDUCED BY LOW-POWER LASER RADIATION. Photochemistry and Photobiology, 1993, 58, 661-669.	2.5	48
45	UPPER EXCITED STATE PHOTOCHEMISTRY OF DNA. Photochemistry and Photobiology, 1993, 58, 313-317.	2.5	19
46	THE ROLE OF GROUND STATE COMPLEXATION IN THE ELECTRON TRANSFER QUENCHING OF METHYLENE BLUE FLUORESCENCE BY PURINE NUCLEOTIDES. Photochemistry and Photobiology, 1991, 53, 47-56.	2.5	54
47	PHOTOCHEMISTRY OF DNA USING 193 nm EXCIMER LASER RADIATION. Photochemistry and Photobiology, 1990, 51, 527-532.	2.5	35
48	UVâ€INDUCED PROTEIN ALTERATIONS AND LIPID OXIDATION IN ERYTHROCYTE MEMBRANES. Photochemistry and Photobiology, 1990, 52, 795-800.	2.5	50
49	PHOTOSENSITIZATION OF SINGLE-STRAND BREAKS IN pBR322 DNA BY ROSE BENGAL. Photochemistry and Photobiology, 1989, 49, 293-298.	2.5	71
50	ULTRAVIOLET RADIATION INDUCES A CHANGE IN CELL MEMBRANE POTENTIAL in vitro: A POSSIBLE SIGNAL FOR ULTRAVIOLET RADIATION INDUCED ALTERATION IN CELL ACTIVITY. Photochemistry and Photobiology, 1989, 49, 655-662.	2.5	32
51	Cytotoxicity and mutagenicity of excimer laser radiation. Lasers in Surgery and Medicine, 1989, 9, 440-445.	2.1	120
52	Probing Deep-Tissue Structures by Two-Photon Fluorescence Microscopy. , 0, , 221-237.		2