

Salman Khan

List of Publications by Year in descending order

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117
papers

3,276
citations

117625

34
h-index

197818

49
g-index

121
all docs

121
docs citations

121
times ranked

3277
citing authors

#	ARTICLE	IF	CITATIONS
1	Alantolactone suppresses inducible nitric oxide synthase and cyclooxygenase-2 expression by down-regulating NF- κ B, MAPK and AP-1 via the MyD88 signaling pathway in LPS-activated RAW 264.7 cells. <i>International Immunopharmacology</i> , 2012, 14, 375-383.	3.8	164
2	Anti-neuroinflammatory Potential of Natural Products in Attenuation of Alzheimer's Disease. <i>Frontiers in Pharmacology</i> , 2018, 9, 548.	3.5	152
3	Suppression of LPS-induced inflammatory and NF- κ B responses by anomalin in RAW 264.7 macrophages. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 2179-2188.	2.6	87
4	Matrine ameliorates anxiety and depression-like behaviour by targeting hyperammonemia-induced neuroinflammation and oxidative stress in CCl4 model of liver injury. <i>NeuroToxicology</i> , 2019, 72, 38-50.	3.0	85
5	Surfactant-Free, Self-Assembled Nanomicelles-Based Transdermal Hydrogel for Safe and Targeted Delivery of Methotrexate against Rheumatoid Arthritis. <i>ACS Nano</i> , 2020, 14, 4662-4681.	14.6	85
6	Advances in orally-delivered pH-sensitive nanocarrier systems; an optimistic approach for the treatment of inflammatory bowel disease. <i>International Journal of Pharmaceutics</i> , 2019, 558, 201-214.	5.2	78
7	Antihyperalgesic Properties of Honokiol in Inflammatory Pain Models by Targeting of NF- κ B and Nrf2 Signaling. <i>Frontiers in Pharmacology</i> , 2018, 9, 140.	3.5	77
8	Anti-inflammatory properties of anthraquinones and their relationship with the regulation of P-glycoprotein function and expression. <i>European Journal of Pharmaceutical Sciences</i> , 2013, 48, 272-281.	4.0	75
9	Synthesis of Gold Nanoparticles by Using Green Machinery: Characterization and In Vitro Toxicity. <i>Nanomaterials</i> , 2021, 11, 808.	4.1	66
10	Molecular mechanism of capillarasin-mediated inhibition of MyD88/TIRAP inflammatory signaling in in vitro and in vivo experimental models. <i>Journal of Ethnopharmacology</i> , 2013, 145, 626-637.	4.1	64
11	Diadzein ameliorates 5-fluorouracil-induced intestinal mucositis by suppressing oxidative stress and inflammatory mediators in rodents. <i>European Journal of Pharmacology</i> , 2019, 843, 292-306.	3.5	64
12	Mucoprotective effects of Saikosaponin-A in 5-fluorouracil-induced intestinal mucositis in mice model. <i>Life Sciences</i> , 2019, 239, 116888.	4.3	60
13	Curcumin molecular targets in obesity and obesity-related cancers. <i>Future Oncology</i> , 2012, 8, 179-190.	2.4	59
14	Poncirin attenuates CCL4-induced liver injury through inhibition of oxidative stress and inflammatory cytokines in mice. <i>BMC Complementary Medicine and Therapies</i> , 2020, 20, 115.	2.7	56
15	Gold nanoconjugates reinforce the potency of conjugated cisplatin and doxorubicin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 160, 254-264.	5.0	54
16	Attenuation of inflammatory pain by puerarin in animal model of inflammation through inhibition of pro-inflammatory mediators. <i>International Immunopharmacology</i> , 2018, 61, 306-316.	3.8	52
17	Mechanism underlying anti-hyperalgesic and anti-allodynic properties of anomalin in both acute and chronic inflammatory pain models in mice through inhibition of NF- κ B, MAPKs and CREB signaling cascades. <i>European Journal of Pharmacology</i> , 2013, 718, 448-458.	3.5	50
18	Anti-inflammatory Mechanism of 15,16-Epoxy-3 β -hydroxylabda-8,13(16),14-trien-7-one via Inhibition of LPS-Induced Multicellular Signaling Pathways. <i>Journal of Natural Products</i> , 2012, 75, 67-71.	3.0	48

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19	Desoxyrhapontigenin, a potent anti-inflammatory phytochemical, inhibits LPS-induced inflammatory responses via suppressing NF- κ B and MAPK pathways in RAW 264.7 cells. <i>International Immunopharmacology</i> , 2014, 18, 182-190.	3.8	46
20	Anti-hyperalgesic and anti-allodynic activities of capillarisin via suppression of inflammatory signaling in animal model. <i>Journal of Ethnopharmacology</i> , 2014, 152, 478-486.	4.1	43
21	Antinociceptive properties of 25-methoxy hispidol A, a triterpinoid isolated from <i>Poncirus trifoliata</i> (Rutaceae) through inhibition of NF- κ B signalling in mice. <i>Phytotherapy Research</i> , 2019, 33, 327-341.	5.8	43
22	Insight into Pain Modulation: Nociceptors Sensitization and Therapeutic Targets. <i>Current Drug Targets</i> , 2019, 20, 775-788.	2.1	43
23	A novel process for size controlled biosynthesis of gold nanoparticles using bromelain. <i>Materials Letters</i> , 2015, 159, 373-376.	2.6	42
24	Extracellular vesicles in cancer diagnostics and therapeutics. , 2021, 223, 107806.		42
25	Anti-epileptic activity of daidzin in PTZ-induced mice model by targeting oxidative stress and BDNF/VEGF signaling. <i>NeuroToxicology</i> , 2020, 79, 150-163.	3.0	42
26	Effect of 25-methoxy hispidol A isolated from <i>Poncirus trifoliata</i> against bacteria-induced anxiety and depression by targeting neuroinflammation, oxidative stress and apoptosis in mice. <i>Biomedicine and Pharmacotherapy</i> , 2019, 111, 209-223.	5.6	41
27	Therapeutic Applications of Biostable Silver Nanoparticles Synthesized Using Peel Extract of <i>Benincasa hispida</i> : Antibacterial and Anticancer Activities. <i>Nanomaterials</i> , 2020, 10, 1954.	4.1	40
28	Attenuation of LPS-induced acute lung injury by continentalic acid in rodents through inhibition of inflammatory mediators correlates with increased Nrf2 protein expression. <i>BMC Pharmacology & Toxicology</i> , 2020, 21, 81.	2.4	40
29	Attenuation of neuropathic pain and neuroinflammatory responses by a pyranocoumarin derivative, anomalin in animal and cellular models. <i>European Journal of Pharmacology</i> , 2016, 774, 95-104.	3.5	39
30	Matrine alleviates neurobehavioral alterations via modulation of JNK-mediated caspase-3 and BDNF/VEGF signaling in a mouse model of burn injury. <i>Psychopharmacology</i> , 2020, 237, 2327-2343.	3.1	39
31	Topical delivery of curcumin-loaded transfersomes gel ameliorated rheumatoid arthritis by inhibiting NF- κ B pathway. <i>Nanomedicine</i> , 2021, 16, 819-837.	3.3	39
32	Glycyrrhizic acid-loaded pH-sensitive poly-(lactic-co-glycolic acid) nanoparticles for the amelioration of inflammatory bowel disease. <i>Nanomedicine</i> , 2019, 14, 1945-1969.	3.3	36
33	Medication Adherence and Its Association with Health Literacy and Performance in Activities of Daily Livings among Elderly Hypertensive Patients in Islamabad, Pakistan. <i>Medicina (Lithuania)</i> , 2019, 55, 163.	2.0	36
34	Anomalin attenuates LPS-induced acute lungs injury through inhibition of AP-1 signaling. <i>International Immunopharmacology</i> , 2019, 73, 451-460.	3.8	36
35	Suppression of TRPV1 and P2Y nociceptors by honokiol isolated from <i>Magnolia officinalis</i> in 3rd degree burn mice by inhibiting inflammatory mediators. <i>Biomedicine and Pharmacotherapy</i> , 2019, 114, 108777.	5.6	36
36	Vitamin D and its therapeutic relevance in pulmonary diseases. <i>Journal of Nutritional Biochemistry</i> , 2021, 90, 108571.	4.2	36

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37	Suppression of TRPV1/TRPM8/P2Y Nociceptors by Withametin via Downregulating MAPK Signaling in Mouse Model of Vincristine-Induced Neuropathic Pain. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6084.	4.1	36
38	The Dynamics of Quantum Correlations in Mixed Classical Environments. <i>Journal of Russian Laser Research</i> , 2016, 37, 562-571.	0.6	34
39	Open quantum systems in noninertial frames. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 045305.	2.1	32
40	Long non-coding RNA: An immune cells perspective. <i>Life Sciences</i> , 2021, 271, 119152.	4.3	32
41	Biogenic terbium oxide nanoparticles as the vanguard against osteosarcoma. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 168, 123-131.	3.9	31
42	N-Pyrazoloyl and N-thiopheneacetyl hydrazone of isatin exhibited potent anti-inflammatory and anti-nociceptive properties through suppression of NF- κ B, MAPK and oxidative stress signaling in animal models of inflammation. <i>Inflammation Research</i> , 2019, 68, 613-632.	4.0	31
43	The newly synthesized compounds (NCHDH and NTHDH) attenuates LPS-induced septicemia and multi-organ failure via Nrf2/HO1 and HSP/TRVP1 signaling in mice. <i>Chemico-Biological Interactions</i> , 2020, 329, 109220.	4.0	31
44	Alleviation of Memory Deficit by Bergenin via the Regulation of Reelin and Nrf-2/NF- κ B Pathway in Transgenic Mouse Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6603.	4.1	31
45	Neuroprotective effect of 25-Methoxyhispidol A against CCl4-induced behavioral alterations by targeting VEGF/BDNF and caspase-3 in mice. <i>Life Sciences</i> , 2020, 253, 117684.	4.3	29
46	Development of novel pH-sensitive nanoparticle-based transdermal patch for management of rheumatoid arthritis. <i>Nanomedicine</i> , 2020, 15, 603-624.	3.3	28
47	Continentalic acid exhibited nephroprotective activity against the LPS and E. coli-induced kidney injury through inhibition of the oxidative stress and inflammation. <i>International Immunopharmacology</i> , 2020, 80, 106209.	3.8	28
48	Pharmacological mechanism underlying anti-inflammatory properties of two structurally divergent coumarins through the inhibition of pro-inflammatory enzymes and cytokines. <i>Journal of Inflammation</i> , 2015, 12, 47.	3.4	26
49	Application of stepwise gradients in counter-current chromatography: A rapid and economical strategy for the one-step separation of eight coumarins from <i>Seseli resinosum</i> . <i>Journal of Chromatography A</i> , 2013, 1310, 66-73.	3.7	25
50	Anti-inflammatory, anti-rheumatic and analgesic activities of 2-(5-mercapto-1,3,4-oxadiazol-2-yl)-N-propylbenzenesulphonamide (MOPBS) in rodents. <i>Inflammopharmacology</i> , 2018, 26, 1037-1049.	3.9	24
51	Non-Maximal Tripartite Entanglement Degradation of Dirac and Scalar Fields in Non-Inertial Frames. <i>Communications in Theoretical Physics</i> , 2014, 61, 281-288.	2.5	23
52	Tripartite entanglement of fermionic system in accelerated frames. <i>Annals of Physics</i> , 2014, 348, 270-277.	2.8	23
53	Improved efficiency and stability of secnidazole " An ideal delivery system. <i>Saudi Journal of Biological Sciences</i> , 2015, 22, 42-49.	3.8	22
54	7 β -(3-Ethyl-cis-crotonoyloxy)-1 β -(2-methylbutyryloxy)-3,14-dehydro-Z Notonipetranone Attenuates Neuropathic Pain by Suppressing Oxidative Stress, Inflammatory and Pro-Apoptotic Protein Expressions. <i>Molecules</i> , 2021, 26, 181.	3.8	22

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55	Noisy relativistic quantum games in noninertial frames. <i>Quantum Information Processing</i> , 2013, 12, 1351-1363.	2.2	21
56	Quantum Stackelberg duopoly in the presence of correlated noise. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 375301.	2.1	20
57	Biaryl scaffold-focused virtual screening for anti-aggregatory and neuroprotective effects in Alzheimer's disease. <i>BMC Neuroscience</i> , 2018, 19, 74.	1.9	20
58	Quantum Model of Bertrand Duopoly. <i>Chinese Physics Letters</i> , 2010, 27, 080302.	3.3	20
59	Rational development of a selection model for solvent gradients in single-step separation of ginsenosides from <i>anax ginseng</i> using high-speed counter-current chromatography. <i>Journal of Separation Science</i> , 2012, 35, 1462-1469.	2.5	19
60	Entanglement of tripartite states with decoherence in non-inertial frames. <i>Journal of Modern Optics</i> , 2012, 59, 250-258.	1.3	19
61	Quantum Parrondo's Games Under Decoherence. <i>International Journal of Theoretical Physics</i> , 2010, 49, 31-41.	1.2	18
62	Relativistic quantum games in noninertial frames. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 355302.	2.1	18
63	A holistic QBD approach to design galactose conjugated PLGA polymer and nanoparticles to catch macrophages during intestinal inflammation. <i>Materials Science and Engineering C</i> , 2021, 126, 112183.	7.3	18
64	A Comparative Antibacterial, Antioxidant, and Antineoplastic Potential of <i>Rauwolfia serpentina</i> (L.) Leaf Extract with Its Biologically Synthesized Gold Nanoparticles (R-AuNPs). <i>Plants</i> , 2021, 10, 2278.	3.5	18
65	Ceftriaxone Mediated Synthesized Gold Nanoparticles: A Nano-Therapeutic Tool to Target Bacterial Resistance. <i>Pharmaceutics</i> , 2021, 13, 1896.	4.5	18
66	Enhancement of Vancomycin Potential against Pathogenic Bacterial Strains via Gold Nano-Formulations: A Nano-Antibiotic Approach. <i>Materials</i> , 2022, 15, 1108.	2.9	18
67	Anti-inflammatory properties of samidin from <i>Seseli resinosum</i> through suppression of NF- κ B and AP-1-mediated-genes in LPS-stimulated RAW 264.7 cells. <i>Archives of Pharmacal Research</i> , 2014, 37, 1496-1503.	6.3	17
68	Renormalized entanglement in Heisenberg-Ising spin-1/2 chain with Dzyaloshinskii-Moriya interaction. <i>European Physical Journal Plus</i> , 2016, 131, 1.	2.6	17
69	Validation of the ENDPAC model: Identifying new-onset diabetics at risk of pancreatic cancer. <i>Pancreatology</i> , 2021, 21, 550-555.	1.1	17
70	Nondistillability of distillable qutrit states under depolarising noise. <i>Journal of Modern Optics</i> , 2011, 58, 918-923.	1.3	16
71	Quantum Stackelberg Duopoly in a Noninertial Frame. <i>Chinese Physics Letters</i> , 2011, 28, 070202.	3.3	15
72	The Effect of Dipole-Dipole Interaction on Tripartite Entanglement in Different Cavities. <i>International Journal of Theoretical Physics</i> , 2016, 55, 1515-1525.	1.2	15

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73	Inverse Doppler shift and control field as coherence generators for the stability in superluminal light. <i>Physical Review A</i> , 2015, 91, .	2.5	14
74	Analytic renormalized bipartite and tripartite quantum discords with quantum phase transition in XXZ spins chain. <i>European Physical Journal Plus</i> , 2017, 132, 1.	2.6	14
75	Biomimetic hydroxyapatite as potential polymeric nanocarrier for the treatment of rheumatoid arthritis. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 2595-2600.	4.0	14
76	Integration of chemokine signaling with non-coding RNAs in tumor microenvironment and heterogeneity in different cancers. <i>Seminars in Cancer Biology</i> , 2022, 86, 720-736.	9.6	14
77	Surface modified multifaceted nanocarriers for oral non-conventional cancer therapy; synthesis and evaluation. <i>Materials Science and Engineering C</i> , 2021, 123, 111940.	7.3	12
78	Magnetic Nanoparticles: Properties, Synthesis and Biomedical Applications. <i>Current Drug Metabolism</i> , 2015, 16, 685-704.	1.2	12
79	Characterization of classical static noise via qubit as probe. <i>Quantum Information Processing</i> , 2018, 17, 1.	2.2	11
80	Quantum Monty Hall Problem under Decoherence. <i>Communications in Theoretical Physics</i> , 2010, 54, 47-54.	2.5	10
81	Biogenic pentagonal silver nanoparticles for safer and more effective antibacterial therapeutics. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 7789-7799.	6.7	10
82	Foot-and-mouth disease viruses of the O/ME-SA/Ind-2001e sublineage in Pakistan. <i>Transboundary and Emerging Diseases</i> , 2021, 68, 3126-3135.	3.0	10
83	Fabrication and optimization of pH-sensitive mannose-anchored nano-vehicle as a promising approach for macrophage uptake. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 4013-4027.	3.1	9
84	A Novel Approach for the Synthesis of Gold Nanoparticles Using Trypsin. <i>Advanced Science Letters</i> , 2014, 20, 1061-1065.	0.2	8
85	Ginsenosides as Food Supplements and Their Potential Role in Immunological and Neurodegenerative Disorders. , 2015, , 303-309.		7
86	Decoherence Effects on Multiplayer Cooperative Quantum Games. <i>Communications in Theoretical Physics</i> , 2011, 56, 228-234.	2.5	6
87	Relativistic quantum speed limit time in dephasing noise. <i>European Physical Journal Plus</i> , 2015, 130, 1.	2.6	6
88	The Dynamics of Three Different Entropic Measures of Quantum Correlations in Mixed Bipartite State Coupled with Classical Environments. <i>Fluctuation and Noise Letters</i> , 2018, 17, 1850023.	1.5	6
89	Prevalence and Molecular Characterization of Cystic Echinococcosis in Livestock Population of the Malakand Division, Khyber Pakhtunkhwa, Pakistan. <i>Frontiers in Veterinary Science</i> , 2021, 8, 757800.	2.2	6
90	Noisy non-transitive quantum games. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 265304.	2.1	5

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91	Generation and sudden death of entanglement in qubit-qutrit systems with depolarising noise. Mathematical Structures in Computer Science, 2013, 23, 1220-1233.	0.6	5
92	Environment generated quantum correlations in bipartite qubit-qutrit systems. Optik, 2016, 127, 2448-2452.	2.9	5
93	Preparation and Characterization of Agar Based Magnetic Nanocomposite for Potential Biomedical Applications. Current Pharmaceutical Design, 2019, 25, 3672-3680.	1.9	5
94	Quantum speed limit time, non-Markovianity and quantum phase transition in Ising spins system. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 505302.	2.1	5
95	The Dynamics of Nash Equilibrium under Non-Markovian Classical Noise in Quantum Prisoners' Dilemma. Reports on Mathematical Physics, 2018, 81, 399-413.	0.8	4
96	Tripartite quantum correlations in the renormalized space of Heisenberg-Ising spin-1/2 chain. Physica B: Condensed Matter, 2018, 545, 289-296.	2.7	4
97	Bipartite and tripartite quantum coherence with entanglement in $XZXZ$ Heisenberg spins-1/2 chain under renormalization group method. Physica B: Condensed Matter, 2021, 601, 412663.		
98	Quantum phase transition with non-Markovianity of XY model under three-spin interaction and quantum speed limit time of a centrally interacting spin qubit. European Physical Journal Plus, 2021, 136, 1.	2.6	4
99	Quantum speed limit time, non-Markovianity, and quantum phase transition of the Dicke model. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 2930.	2.1	4
100	Phytochemical Screening, Nutritional Value, Anti-Diabetic, Anti-Cancer, and Anti-Bacterial Assessment of Aqueous Extract from Abelmoschus esculentus Pods. Processes, 2022, 10, 183.	2.8	4
101	Zitterbewegung, internal momentum and spin of the circular travelling-wave electromagnetic model electron. European Physical Journal Plus, 2016, 131, 1.	2.6	3
102	Interaction of green nanoparticles with cells and organs. , 2018, , 185-237.		3
103	Qutrit as a probe for characterization of random telegraphic noise. Physics Open, 2020, 5, 100048.	1.5	3
104	Structural features, anticancer, antioxidant and anti-acetylcholinesterase studies of [(DTCs)(PAr3)PdCl]. Inorganic Chemistry Communication, 2021, 123, 108316.	3.9	3
105	Evaluation of Sandwich Enzyme-Linked Immunosorbent Assay and Reverse Transcription Polymerase Chain Reaction for the Diagnosis of Foot-and-Mouth Disease. Intervirology, 2021, 64, 1-6.	2.8	3
106	Pharmacological evaluation of continentalic acid for antidiabetic potential. Biomedicine and Pharmacotherapy, 2021, 138, 111411.	5.6	3
107	Quantum fisher information and quantum coherence of an entangled bipartite state interacting with a common classical environment in accelerating frames. Quantum Information Processing, 2022, 21, .	2.2	3
108	Reply to "Comment on "Inverse Doppler shift and control field as coherence generators for the stability in superluminal light". Physical Review A, 2019, 100, .	2.5	2

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109	Giant lateral shift via atom-cavity coupling. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 383.	2.1	2
110	Antioxidant Actions of Spices and Their Phytochemicals on Age-Related Diseases. , 2015, , 311-318.		1
111	Manipulation of lateral shift via driven cavity-optomechanical system. Optics Communications, 2019, 450, 282-286.	2.1	1
112	Quantum speed limit time of a spin qubit in noninteracting spin bath. International Journal of Quantum Information, 2019, 17, 1950054.	1.1	1
113	Quantum Coherence and Skew Information with Quantum Phase Transition in One-Dimensional Anisotropic XY Model under Renormalization Group Method. Journal of the Physical Society of Japan, 2021, 90, 104005.	1.6	1
114	The dynamics of quantum correlations and quantum coherence in a classical colored noise. Physica Scripta, 2020, 95, 105101.	2.5	1
115	Environment assisted energy transfer in dimer system. Annals of Physics, 2014, 341, 1-11.	2.8	0
116	Tunable subluminal and superluminal light with optomechanical-induced transparency under steady-state configuration. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 135504.	1.5	0
117	Exploring the Koch fractal lattice with quantum renormalization group method. Physica A: Statistical Mechanics and Its Applications, 2022, 593, 126948.	2.6	0