

Carlo Irace

List of Publications by Year in descending order

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71
papers

2,662
citations

136950

32
h-index

206112

48
g-index

71
all docs

71
docs citations

71
times ranked

3998
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondria as playmakers of apoptosis, autophagy and senescence. <i>Seminars in Cell and Developmental Biology</i> , 2020, 98, 139-153.	5.0	305
2	Structure and Cytotoxicity of Phidianidines A and B: First Finding of 1,2,4-Oxadiazole System in a Marine Natural Product. <i>Organic Letters</i> , 2011, 13, 2516-2519.	4.6	122
3	Down regulation of pro-inflammatory pathways by tanshinone IIA and cryptotanshinone in a non-genetic mouse model of Alzheimer's disease. <i>Pharmacological Research</i> , 2018, 129, 482-490.	7.1	95
4	Neutralization of IL-17 rescues amyloid β -induced neuroinflammation and memory impairment. <i>British Journal of Pharmacology</i> , 2019, 176, 3544-3557.	5.4	93
5	Hydroxytyrosol, a phenolic compound from virgin olive oil, prevents macrophage activation. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2005, 371, 457-465.	3.0	92
6	Cytotoxicity of seven bisphenol analogues compared to bisphenol A and relationships with membrane affinity data. <i>Chemosphere</i> , 2018, 201, 432-440.	8.2	91
7	High Fat Diet Induces Liver Steatosis and Early Dysregulation of Iron Metabolism in Rats. <i>PLoS ONE</i> , 2013, 8, e66570.	2.5	83
8	Ruthenium-based complex nanocarriers for cancer therapy. <i>Biomaterials</i> , 2012, 33, 3770-3782.	11.4	71
9	Cholesterol-Based Nucleolipid-Ruthenium Complex Stabilized by Lipid Aggregates for Antineoplastic Therapy. <i>Bioconjugate Chemistry</i> , 2012, 23, 758-770.	3.6	60
10	Anticancer Ruthenium(III) Complexes and Ru(III)-Containing Nanoformulations: An Update on the Mechanism of Action and Biological Activity. <i>Pharmaceuticals</i> , 2019, 12, 146.	3.8	60
11	Anticancer Cationic Ruthenium Nanovectors: From Rational Molecular Design to Cellular Uptake and Bioactivity. <i>Biomacromolecules</i> , 2013, 14, 2549-2560.	5.4	53
12	Cationic liposomes as efficient nanocarriers for the drug delivery of an anticancer cholesterol-based ruthenium complex. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3011-3023.	5.8	52
13	Regulatory role of rpL3 in cell response to nucleolar stress induced by Act D in tumor cells lacking functional p53. <i>Cell Cycle</i> , 2016, 15, 41-51.	2.6	50
14	Antiproliferative effects of ruthenium-based nucleolipidic nanoaggregates in human models of breast cancer in vitro: insights into their mode of action. <i>Scientific Reports</i> , 2017, 7, 45236.	3.3	46
15	Exploring cellular uptake, accumulation and mechanism of action of a cationic Ru-based nanosystem in human preclinical models of breast cancer. <i>Scientific Reports</i> , 2019, 9, 7006.	3.3	46
16	Nucleolipid nanovectors as molecular carriers for potential applications in drug delivery. <i>Molecular BioSystems</i> , 2011, 7, 3075.	2.9	45
17	Tanshinones from <i>Salvia miltiorrhiza</i> Bunge revert chemotherapy-induced neuropathic pain and reduce glioblastoma cells malignancy. <i>Biomedicine and Pharmacotherapy</i> , 2018, 105, 1042-1049.	5.6	43
18	Cysteine Prevents the Reduction in Keratin Synthesis Induced by Iron Deficiency in Human Keratinocytes. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 402-412.	2.6	41

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19	IL-17A neutralizing antibody regulates monosodium urate crystal-induced gouty inflammation. <i>Pharmacological Research</i> , 2019, 147, 104351.	7.1	41
20	A new cytotoxic tambjamine alkaloid from the Azorean nudibranch <i>Tambja ceutae</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 2668-2670.	2.2	40
21	Design, Synthesis and Characterisation of Guanosine-Based Amphiphiles. <i>Chemistry - A European Journal</i> , 2011, 17, 13854-13865.	3.3	40
22	Ru ^{III} Complexes for Anticancer Therapy: The Importance of Being Nucleolipidic. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 1100-1119.	2.4	39
23	Site-specific replacement of the thymine methyl group by fluorine in thrombin binding aptamer significantly improves structural stability and anticoagulant activity. <i>Nucleic Acids Research</i> , 2015, 43, 10602-10611.	14.5	38
24	Non-coding RNAs as a new dawn in tumor diagnosis. <i>Seminars in Cell and Developmental Biology</i> , 2018, 78, 37-50.	5.0	38
25	Bioactivity and Development of Small Non-Platinum Metal-Based Chemotherapeutics. <i>Pharmaceutics</i> , 2022, 14, 954.	4.5	37
26	Ovariectomy and estrogen treatment modulate iron metabolism in rat adipose tissue. <i>Biochemical Pharmacology</i> , 2009, 78, 1001-1007.	4.4	36
27	Novel non-peptide small molecules preventing IKK ² /NEMO association inhibit NF- κ B activation in LPS-stimulated J774 macrophages. <i>Biochemical Pharmacology</i> , 2016, 104, 83-94.	4.4	36
28	Exploring the conformational behaviour and aggregation properties of lipid-conjugated AS1411 aptamers. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1384-1399.	7.5	36
29	Divergent modulation of iron regulatory proteins and ferritin biosynthesis by hypoxia/reoxygenation in neurones and glial cells. <i>Journal of Neurochemistry</i> , 2005, 95, 1321-1331.	3.9	35
30	Motor coordination and synaptic plasticity deficits are associated with increased cerebellar activity of NADPH oxidase, CAMKII, and PKC at preplaque stage in the TgCRND8 mouse model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2018, 68, 123-133.	3.1	35
31	Bio-Inspired Dual-Selective BCL-2/c-MYC G-Quadruplex Binders: Design, Synthesis, and Anticancer Activity of Drug-like Imidazo[2,1- <i>b</i>]purine Derivatives. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 2035-2050.	6.4	35
32	Tritoniopsins A-D, Cladiellane-Based Diterpenes from the South China Sea Nudibranch <i>Tritoniopsis elegans</i> and Its Prey <i>Cladiella krempfi</i> . <i>Journal of Natural Products</i> , 2011, 74, 1902-1907.	3.0	33
33	Conithiaquinones A and B, Tetracyclic Cytotoxic Meroterpenes from the Mediterranean Ascidian <i>Aplidium conicum</i> . <i>European Journal of Organic Chemistry</i> , 2013, 2013, 3241-3246.	2.4	32
34	Oxygenated cembranoids of the decaryol type from the Indonesian soft coral <i>Lobophytum</i> sp.. <i>Tetrahedron</i> , 2009, 65, 2898-2904.	1.9	31
35	A new design for nucleolipid-based Ru(III) complexes as anticancer agents. <i>Dalton Transactions</i> , 2013, 42, 16697.	3.3	31
36	Ultraviolet B and A irradiation induces fibromodulin expression in human fibroblasts in vitro. <i>Biochimie</i> , 2009, 91, 364-372.	2.6	30

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37	2,3,7,8-Tetrachlorodibenzo-p-dioxin impairs iron homeostasis by modulating iron-related proteins expression and increasing the labile iron pool in mammalian cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 704-712.	4.1	30
38	Trifluoromethyl derivatives of canonical nucleosides: synthesis and bioactivity studies. <i>MedChemComm</i> , 2013, 4, 1405.	3.4	30
39	miR-125b Upregulates miR-34a and Sequentially Activates Stress Adaption and Cell Death Mechanisms in Multiple Myeloma. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 16, 391-406.	5.1	30
40	Phosphocholine-decorated superparamagnetic iron oxide nanoparticles: defining the structure and probing in vivo applications. <i>Nanoscale</i> , 2016, 8, 10078-10086.	5.6	27
41	Synthesis, self-aggregation and bioactivity properties of a cationic aminoacyl surfactant, based on a new class of highly functionalized nucleolipids. <i>European Journal of Medicinal Chemistry</i> , 2012, 57, 429-440.	5.5	26
42	Annrca Apple Nutraceutical Formulation Enhances Keratin Expression in a Human Model of Skin and Promotes Hair Growth and Tropism in a Randomized Clinical Trial. <i>Journal of Medicinal Food</i> , 2018, 21, 90-103.	1.5	26
43	Breast Cancer Chemotherapeutic Options: A General Overview on the Preclinical Validation of a Multi-Target Ruthenium(III) Complex Lodged in Nucleolipid Nanosystems. <i>Cells</i> , 2020, 9, 1412.	4.1	25
44	Expression of iron-related proteins during infection by bovine herpes virus type-1. <i>Journal of Cellular Biochemistry</i> , 2008, 104, 213-223.	2.6	24
45	Polyoxygenated diterpenoids of the eunicellin-type from the Chinese soft coral <i>Cladiella krempfi</i> . <i>Tetrahedron</i> , 2013, 69, 2214-2219.	1.9	23
46	Structure and Configuration of Phosphoeleganin, a Protein Tyrosine Phosphatase 1B Inhibitor from the Mediterranean Ascidian <i>Sidnyum elegans</i> . <i>Journal of Natural Products</i> , 2016, 79, 1144-1148.	3.0	23
47	Structure and Synthesis of a Unique Isonitrile Lipid Isolated from the Marine Mollusk <i>Actinocyclus papillatus</i> . <i>Organic Letters</i> , 2011, 13, 1897-1899.	4.6	21
48	2,3,7,8-tetrachlorodibenzo-p-dioxin and the viral infection. <i>Environmental Research</i> , 2017, 153, 27-34.	7.5	21
49	Expanding the Potential of G-Quadruplex Structures: Formation of a Heterochiral TBA Analogue. <i>ChemBioChem</i> , 2014, 15, 652-655.	2.6	20
50	IL-17A-induced inflammation modulates the mPGES1/PPAR β pathway in monocytes/macrophages. <i>British Journal of Pharmacology</i> , 2022, 179, 1857-1873.	5.4	20
51	Zorrimidazolone, a Bioactive Alkaloid from the Non-Indigenous Mediterranean Stolidobranch <i>Polyandrocarpa zorritensis</i> . <i>Marine Drugs</i> , 2011, 9, 1157-1165.	4.6	17
52	Induction of H-ferritin synthesis by oxalomalate is regulated at both the transcriptional and post-transcriptional levels. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2006, 1763, 815-822.	4.1	16
53	"Dressing up" an Old Drug: An Aminoacyl Lipid for the Functionalization of Ru(III)-Based Anticancer Agents. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 163-174.	5.2	16
54	2,3,7,8-Tetrachlorodibenzo-p-Dioxin Promotes BHV-1 Infection in Mammalian Cells by Interfering with Iron Homeostasis Regulation. <i>PLoS ONE</i> , 2013, 8, e58845.	2.5	15

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55	Oxalomalate affects the inducible nitric oxide synthase expression and activity. <i>Life Sciences</i> , 2007, 80, 1282-1291.	4.3	14
56	Oreocerebrosides: Bioactive Cerebrosides with a Triunsaturated Sphingoid Base from the Sea Star <i>Oreaster reticulatus</i> . <i>European Journal of Organic Chemistry</i> , 2007, 2007, 5277-5283.	2.4	14
57	l-carnosine dipeptide overcomes acquired resistance to 5-fluorouracil in HT29 human colon cancer cells via downregulation of HIF1-alpha and induction of apoptosis. <i>Biochimie</i> , 2016, 127, 196-204.	2.6	14
58	Induction of Hair Keratins Expression by an Annurca Apple-Based Nutraceutical Formulation in Human Follicular Cells. <i>Nutrients</i> , 2019, 11, 3041.	4.1	14
59	Temporin L-derived peptide as a regulator of the acute inflammatory response in zymosan-induced peritonitis. <i>Biomedicine and Pharmacotherapy</i> , 2020, 123, 109788.	5.6	14
60	Safety and Efficacy Evaluation In Vivo of a Cationic Nucleolipid Nanosystem for the Nanodelivery of a Ruthenium(III) Complex with Superior Anticancer Bioactivity. <i>Cancers</i> , 2021, 13, 5164.	3.7	14
61	Cytotoxic Activity of Diterpenoids Isolated from the Aerial Parts of <i>Elaeoselinum asclepium</i> subsp. <i>meoides</i> . <i>Planta Medica</i> , 2008, 74, 1285-1287.	1.3	12
62	Overview on Molecular Biomarkers for Laryngeal Cancer: Looking for New Answers to an Old Problem. <i>Cancers</i> , 2022, 14, 1716.	3.7	12
63	Introducing structure-based three-dimensional pharmacophore models for accelerating the discovery of selective BRD9 binders. <i>Bioorganic Chemistry</i> , 2022, 118, 105480.	4.1	9
64	Bioengineered lipophilic Ru(III) complexes as potential anticancer agents. , 2022, 139, 213016.		9
65	Supplementation with ribonucleotide-based ingredient (Ribodiet®) lessens oxidative stress, brain inflammation, and amyloid pathology in a murine model of Alzheimer. <i>Biomedicine and Pharmacotherapy</i> , 2021, 139, 111579.	5.6	8
66	MG-132 interferes with iron cellular homeostasis and alters virulence of bovine herpesvirus 1. <i>Research in Veterinary Science</i> , 2021, 137, 1-8.	1.9	7
67	Lipooligosaccharides as Amphiphiles to Build Liposomes for Effective Drug Delivery: The Case of Anticancer Ruthenium Complex-Based Aggregates. <i>ChemistrySelect</i> , 2016, 1, 2129-2139.	1.5	6
68	Coupling Interrupted Fischer and Multicomponent Joulia-Ugi to Chase Chemical Diversity: from Batch to Sustainable Flow Synthesis of Peptidomimetics. <i>ChemMedChem</i> , 2021, 16, 3795-3809.	3.2	6
69	Guanine-based amphiphiles: synthesis, ion transport properties and biological activity. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 1149-1156.	3.0	4
70	Promelanogenic Effects by an Annurca Apple-Based Natural Formulation in Human Primary Melanocytes. <i>Clinical, Cosmetic and Investigational Dermatology</i> , 2021, Volume 14, 291-301.	1.8	4
71	Response to Keith et al. Re: "Annurca Apple Nutraceutical Formulation Enhances Keratin Expression in a Human Model of Skin and Promotes Hair Growth and Tropism in a Randomized Clinical Trial". <i>Journal of Medicinal Food</i> , 2019, 22, 1303-1304.	1.5	0