

Raul Ortiz

List of Publications by Year in descending order

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67
papers

1,605
citations

236925

25
h-index

330143

37
g-index

67
all docs

67
docs citations

67
times ranked

3083
citing authors

#	ARTICLE	IF	CITATIONS
1	Temozolomide Resistance in Glioblastoma Cell Lines: Implication of MGMT, MMR, P-Glycoprotein and CD133 Expression. <i>PLoS ONE</i> , 2015, 10, e0140131.	2.5	144
2	Doxorubicin-Loaded Nanoparticles: New Advances in Breast Cancer Therapy. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2012, 12, 1058-1070.	1.7	106
3	Nano-engineering of 5-fluorouracil-loaded magnetoliposomes for combined hyperthermia and chemotherapy against colon cancer. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 329-338.	4.3	77
4	MGMT promoter methylation status and MGMT and CD133 immunohistochemical expression as prognostic markers in glioblastoma patients treated with temozolomide plus radiotherapy. <i>Journal of Translational Medicine</i> , 2012, 10, 250.	4.4	68
5	Latest in Vitro and in Vivo Assay, Clinical Trials and Patents in Cancer Treatment using Curcumin: A Literature Review. <i>Nutrition and Cancer</i> , 2018, 70, 569-578.	2.0	51
6	Improved antitumor activity and reduced toxicity of doxorubicin encapsulated in poly(ϵ -caprolactone) nanoparticles in lung and breast cancer treatment: An in vitro and in vivo study. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 102, 24-34.	4.0	49
7	New Gene Therapy Strategies for Cancer Treatment: A Review of Recent Patents. <i>Recent Patents on Anti-Cancer Drug Discovery</i> , 2012, 7, 297-312.	1.6	44
8	Microenvironmental Modulation of Decorin and Lumican in Temozolomide-Resistant Glioblastoma and Neuroblastoma Cancer Stem-Like Cells. <i>PLoS ONE</i> , 2015, 10, e0134111.	2.5	44
9	Regulatory Systems in Bone Marrow for Hematopoietic Stem/Progenitor Cells Mobilization and Homing. <i>BioMed Research International</i> , 2013, 2013, 1-12.	1.9	43
10	Transcriptional Profiling of Peripheral Blood in Pancreatic Adenocarcinoma Patients Identifies Diagnostic Biomarkers. <i>Digestive Diseases and Sciences</i> , 2014, 59, 2714-2720.	2.3	41
11	Enhanced antitumor activity of doxorubicin in breast cancer through the use of poly(butylcyanoacrylate) nanoparticles. <i>International Journal of Nanomedicine</i> , 2015, 10, 1291.	6.7	40
12	Temozolomide: An Updated Overview of Resistance Mechanisms, Nanotechnology Advances and Clinical Applications. <i>Current Neuropharmacology</i> , 2021, 19, 513-537.	2.9	40
13	A novel nanoformulation of PLGA with high non-ionic surfactant content improves in vitro and in vivo PTX activity against lung cancer. <i>Pharmacological Research</i> , 2019, 141, 451-465.	7.1	39
14	DNA Methylation Plasticity of Human Adipose-Derived Stem Cells in Lineage Commitment. <i>American Journal of Pathology</i> , 2012, 181, 2079-2093.	3.8	36
15	5-Fluorouracil-loaded poly(ϵ -caprolactone) nanoparticles combined with phage E gene therapy as a new strategy against colon cancer. <i>International Journal of Nanomedicine</i> , 2012, 7, 95.	6.7	34
16	Paclitaxel antitumor effect improvement in lung cancer and prevention of the painful neuropathy using large pegylated cationic liposomes. <i>Biomedicine and Pharmacotherapy</i> , 2021, 133, 111059.	5.6	32
17	Tripalmitin nanoparticle formulations significantly enhance paclitaxel antitumor activity against breast and lung cancer cells in vitro. <i>Scientific Reports</i> , 2017, 7, 13506.	3.3	31
18	Formulation and in vitro evaluation of magnetoliposomes as a potential nanotool in colorectal cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 171, 553-565.	5.0	30

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19	Colon Cancer Therapy: Recent Developments in Nanomedicine to Improve the Efficacy of Conventional Chemotherapeutic Drugs. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2013, 13, 1204-1216.	1.7	30
20	Prognostic impact of MGMT promoter methylation and MGMT and CD133 expression in colorectal adenocarcinoma. <i>BMC Cancer</i> , 2014, 14, 511.	2.6	28
21	Enhanced antitumoral activity of doxorubicin against lung cancer cells using biodegradable poly(butylcyanoacrylate) nanoparticles. <i>Drug Design, Development and Therapy</i> , 2015, 9, 6433.	4.3	28
22	Poly(butylcyanoacrylate) and Poly(ϵ -caprolactone) Nanoparticles Loaded with 5-Fluorouracil Increase the Cytotoxic Effect of the Drug in Experimental Colon Cancer. <i>AAPS Journal</i> , 2015, 17, 918-929.	4.4	28
23	Oxaliplatinâ€“Biomimetic Magnetic Nanoparticle Assemblies for Colon Cancer-Targeted Chemotherapy: An In Vitro Study. <i>Pharmaceutics</i> , 2019, 11, 395.	4.5	28
24	Biomimetic Magnetoliposomes as Oxaliplatin Nanocarriers: In Vitro Study for Potential Application in Colon Cancer. <i>Pharmaceutics</i> , 2020, 12, 589.	4.5	28
25	Modulation of MDR1 and MRP3 Gene Expression in Lung Cancer Cells after Paclitaxel and Carboplatin Exposure. <i>International Journal of Molecular Sciences</i> , 2012, 13, 16624-16635.	4.1	27
26	Nanomedicine to Overcome Multidrug Resistance Mechanisms in Colon and Pancreatic Cancer: Recent Progress. <i>Cancers</i> , 2021, 13, 2058.	3.7	26
27	Proteomic biomarkers in body fluids associated with pancreatic cancer. <i>Oncotarget</i> , 2018, 9, 16573-16587.	1.8	25
28	Magnetically active pNIPAM nanosystems as temperature-sensitive biocompatible structures for controlled drug delivery. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2020, 48, 1022-1035.	2.8	23
29	Gef gene therapy enhances the therapeutic efficacy of doxorubicin to combat growth of MCF-7 breast cancer cells. <i>Cancer Chemotherapy and Pharmacology</i> , 2010, 66, 69-78.	2.3	22
30	Paclitaxel-loaded hollow-poly(4-vinylpyridine) nanoparticles enhance drug chemotherapeutic efficacy in lung and breast cancer cell lines. <i>Nano Research</i> , 2017, 10, 856-875.	10.4	22
31	Nanoformulations for glioblastoma multiforme: a new hope for treatment. <i>Future Medicinal Chemistry</i> , 2019, 11, 2461-2482.	2.3	21
32	Antitumor Properties of Natural Compounds and Related Molecules. <i>Recent Patents on Anti-Cancer Drug Discovery</i> , 2013, 8, 203-215.	1.6	21
33	Study of aggregation in therapeutic monoclonal antibodies subjected to stress and long-term stability tests by analyzing size exclusion liquid chromatographic profiles. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 511-524.	7.5	20
34	Last Advances in Nanocarriers-Based Drug Delivery Systems for Colorectal Cancer. <i>Current Drug Delivery</i> , 2016, 13, 830-838.	1.6	18
35	Antitumor Effect of the Ethanolic Extract from Seeds of <i>Euphorbia lathyris</i> in Colorectal Cancer. <i>Nutrients</i> , 2021, 13, 566.	4.1	15
36	Differentiation of Intestinal Epithelial Cells Mediated by Cell Confluence and/or Exogenous Nucleoside Supplementation. <i>Cells Tissues Organs</i> , 2010, 191, 478-488.	2.3	14

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37	The selective cytotoxic activity in breast cancer cells by an anthranilic alcohol-derived acyclic 5-fluorouracil O,N-acetal is mediated by endoplasmic reticulum stress-induced apoptosis. <i>European Journal of Medicinal Chemistry</i> , 2012, 50, 376-382.	5.5	14
38	RNA Interference in the Treatment of Colon Cancer. <i>BioDrugs</i> , 2013, 27, 317-327.	4.6	14
39	Regression of established subcutaneous B16 α murine melanoma tumors after <i>gef</i> gene therapy associated with the mitochondrial apoptotic pathway. <i>Experimental Dermatology</i> , 2010, 19, 363-371.	2.9	13
40	Development and morphogenesis of human wrist joint during embryonic and early fetal period. <i>Journal of Anatomy</i> , 2012, 220, 580-590.	1.5	13
41	Circulating PTGS2, JAG1, GUCY2C and PGF mRNA in Peripheral Blood and Serum as Potential Biomarkers for Patients with Metastatic Colon Cancer. <i>Journal of Clinical Medicine</i> , 2021, 10, 2248.	2.4	12
42	Current Status of Immunotherapy Treatments for Pancreatic Cancer. <i>Journal of Clinical Gastroenterology</i> , 2016, 50, 836-848.	2.2	11
43	Antioxidant and antiproliferative potential of ethanolic extracts from <i>Moringa oleifera</i> , <i>Tropaeolum tuberosum</i> and <i>Annona cherimola</i> in colorectal cancer cells. <i>Biomedicine and Pharmacotherapy</i> , 2021, 143, 112248.	5.6	11
44	Application of Nanotechnology in the Treatment and Diagnosis of Gastrointestinal Cancers: Review of Recent Patents. <i>Recent Patents on Anti-Cancer Drug Discovery</i> , 2013, 9, 21-34.	1.6	11
45	Multidrug resistance and rhabdomyosarcoma (Review). <i>Oncology Reports</i> , 2011, 26, 755-61.	2.6	10
46	How is Gene Transfection Able to Improve Current Chemotherapy? The Role of Combined Therapy in Cancer Treatment. <i>Current Medicinal Chemistry</i> , 2012, 19, 1870-1888.	2.4	10
47	Modulation of multidrug resistance gene expression in peripheral blood mononuclear cells of lung cancer patients and evaluation of their clinical significance. <i>Cancer Chemotherapy and Pharmacology</i> , 2013, 71, 537-541.	2.3	10
48	The Antitumor Activity of Sodium Selenite Alone and in Combination with Gemcitabine in Pancreatic Cancer: An In Vitro and In Vivo Study. <i>Cancers</i> , 2021, 13, 3169.	3.7	10
49	The cytotoxic activity of the phage E protein suppress the growth of murine B16 melanomas in vitro and in vivo. <i>Journal of Molecular Medicine</i> , 2009, 87, 899-911.	3.9	9
50	Combined therapy using suicide <i>gef</i> gene and paclitaxel enhances growth inhibition of multicellular tumour spheroids of A-549 human lung cancer cells. <i>International Journal of Oncology</i> , 0, , .	3.3	8
51	Nanoemulsion Strategy for Ursolic and Oleanic Acids Isolates from <i>Plumeria Obtusa</i> Improves Antioxidant and Cytotoxic Activity in Melanoma Cells. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2018, 18, 847-853.	1.7	8
52	Combined therapy using suicide <i>gef</i> gene and paclitaxel enhances growth inhibition of multicellular tumour spheroids of A-549 human lung cancer cells. <i>International Journal of Oncology</i> , 2008, 33, 121-7.	3.3	8
53	E phage gene transfection enhances sensitivity of lung and colon cancer cells to chemotherapeutic agents. <i>International Journal of Oncology</i> , 2010, 37, 1503-14.	3.3	7
54	Gef gene therapy enhances the therapeutic efficacy of cytotoxics in colon cancer cells. <i>Biomedicine and Pharmacotherapy</i> , 2012, 66, 563-567.	5.6	7

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55	E phage gene transfection associated to chemotherapeutic agents increases apoptosis in lung and colon cancer cells. <i>Bioengineered Bugs</i> , 2011, 2, 163-167.	1.7	6
56	gef Gene Expression in MCF-7 Breast Cancer Cells is Associated with a Better Prognosis and Induction of Apoptosis by p53-Mediated Signaling Pathway. <i>International Journal of Molecular Sciences</i> , 2011, 12, 7445-7458.	4.1	6
57	Nanomedical Platform for Drug Delivery in Cancer. <i>Current Organic Chemistry</i> , 2017, 21, .	1.6	6
58	Bengamide Analogues Show A Potent Antitumor Activity against Colon Cancer Cells: A Preliminary Study. <i>Marine Drugs</i> , 2020, 18, 240.	4.6	5
59	Nano-engineering of biomedical prednisolone liposomes: evaluation of the cytotoxic effect on human colon carcinoma cell lines. <i>Journal of Pharmacy and Pharmacology</i> , 2018, 70, 488-497.	2.4	4
60	Double origin of the extensor hallucis longus muscle: a case report. <i>Surgical and Radiologic Anatomy</i> , 2019, 41, 1421-1423.	1.2	4
61	Identification of PARP-1 in cancer stem cells of gastrointestinal cancers: A preliminary study. <i>Journal of Biosciences</i> , 2021, 46, 1.	1.1	4
62	Qualitative and quantitative analyses of anatomists's research: evaluation of multidisciplinary and trends in scientific production. <i>Scientometrics</i> , 2014, 98, 447-456.	3.0	3
63	MMR-proficient and MMR-deficient colorectal cancer cells: 5-Fluorouracil treatment response and correlation to CD133 and MGMT expression. <i>Journal of Biosciences</i> , 2020, 45, 1.	1.1	3
64	Patented Biomarkers of Peripheral Blood for the Early Detection of Cancer. <i>Recent Patents on Biomarkers</i> , 2012, 2, 17-28.	0.2	2
65	Impact of the Epigenetically Regulated Hoxa-5 Gene in Neural Differentiation from Human Adipose-Derived Stem Cells. <i>Biology</i> , 2021, 10, 802.	2.8	2
66	Evaluation of poly (lactic-co-glycolic acid) nanoparticles to improve the therapeutic efficacy of paclitaxel in breast cancer. <i>BioImpacts</i> , 2022, , .	1.5	1
67	MGMT Promoter Methylation in Patients with Rectal Adenocarcinoma After Chemoradiotherapy Treatment: Clinical Implications. <i>Balkan Medical Journal</i> , 2019, 36, 283-286.	0.8	0