

Arun K Sharma

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88
papers

2,485
citations

29
h-index

44
g-index

88
ext. papers

2,791
ext. citations

4.9
avg, IF

4.82
L-index

#	Paper	IF	Citations
88	Selenium compounds, apoptosis and other types of cell death: an overview for cancer therapy. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 9649-72	6.3	169
87	Targeting mitogen-activated protein kinase/extracellular signal-regulated kinase kinase in the mutant (V600E) B-Raf signaling cascade effectively inhibits melanoma lung metastases. <i>Cancer Research</i> , 2006 , 66, 8200-9	10.1	106
86	Design, Synthesis, and Biological Evaluation of Novel Selenium (Se-NSAID) Molecules as Anticancer Agents. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 1946-59	8.3	88
85	Targeting Akt3 signaling in malignant melanoma using isoselenocyanates. <i>Clinical Cancer Research</i> , 2009 , 15, 1674-85	12.9	87
84	Glucuronidation of active tamoxifen metabolites by the human UDP glucuronosyltransferases. <i>Drug Metabolism and Disposition</i> , 2007 , 35, 2006-14	4	85
83	Synthesis and anticancer activity comparison of phenylalkyl isoselenocyanates with corresponding naturally occurring and synthetic isothiocyanates. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 7820-6	8.3	78
82	Importance of sphingosine kinase (SphK) as a target in developing cancer therapeutics and recent developments in the synthesis of novel SphK inhibitors. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 5509-24	8.3	76
81	Functional significance of UDP-glucuronosyltransferase variants in the metabolism of active tamoxifen metabolites. <i>Cancer Research</i> , 2009 , 69, 1892-900	10.1	63
80	Peroxisome proliferator-activated receptor-beta/delta (PPARbeta/delta) ligands do not potentiate growth of human cancer cell lines. <i>Carcinogenesis</i> , 2007 , 28, 2641-9	4.6	61
79	Development of a selective modulator of aryl hydrocarbon (Ah) receptor activity that exhibits anti-inflammatory properties. <i>Chemical Research in Toxicology</i> , 2010 , 23, 955-66	4	57
78	Peroxisome proliferator-activated receptor-beta/delta (PPARbeta/delta) ligands inhibit growth of UACC903 and MCF7 human cancer cell lines. <i>Toxicology</i> , 2008 , 243, 236-43	4.4	56
77	Ligand activation of peroxisome proliferator-activated receptor-beta/delta inhibits cell proliferation in human HaCaT keratinocytes. <i>Molecular Pharmacology</i> , 2008 , 74, 1429-42	4.3	51
76	Elimination of antiestrogenic effects of active tamoxifen metabolites by glucuronidation. <i>Drug Metabolism and Disposition</i> , 2007 , 35, 1942-8	4	50
75	Development of a sphingosine kinase 1 specific small-molecule inhibitor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 7498-502	2.9	48
74	Synthesis and biological evaluation of a novel class of isatin analogs as dual inhibitors of tubulin polymerization and Akt pathway. <i>Bioorganic and Medicinal Chemistry</i> , 2011 , 19, 6006-14	3.4	47
73	Cellular and pharmacological selectivity of the peroxisome proliferator-activated receptor-beta/delta antagonist GSK3787. <i>Molecular Pharmacology</i> , 2010 , 78, 419-30	4.3	45
72	Melanoma chemoprevention in skin reconstructs and mouse xenografts using isoselenocyanate-4. <i>Cancer Prevention Research</i> , 2011 , 4, 248-58	3.2	45

71	Mutagenesis and carcinogenesis induced by dibenzo[a,l]pyrene in the mouse oral cavity: a potential new model for oral cancer. <i>International Journal of Cancer</i> , 2012 , 130, 2783-90	7.5	41
70	Suppression of cytokine-mediated complement factor gene expression through selective activation of the Ah receptor with 3',4'-dimethoxy-8-hydroxyflavone. <i>Molecular Pharmacology</i> , 2011 , 79, 508-19	4.3	41
69	Development and Therapeutic Potential of Selenazo Compounds. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 1473-1489	8.3	37
68	Synthesis and biological evaluation of some 2-(3,5-dimethyl-1H-pyrazol-1-yl)-1-arylethanones: antibacterial, DNA photocleavage, and anticancer activities. <i>European Journal of Medicinal Chemistry</i> , 2014 , 81, 267-76	6.8	35
67	The Akt inhibitor ISC-4 activates prostate apoptosis response protein-4 and reduces colon tumor growth in a nude mouse model. <i>Clinical Cancer Research</i> , 2011 , 17, 4474-83	12.9	35
66	In vitro growth inhibition of human cancer cells by novel honokiol analogs. <i>Bioorganic and Medicinal Chemistry</i> , 2012 , 20, 3202-11	3.4	33
65	A Convenient Trans Diastereoselective Synthesis of 3-Butadienylazetidiones and Their Diels-Alder Cycloaddition Reactions. <i>Journal of Organic Chemistry</i> , 1996 , 61, 5506-5509	4.2	33
64	Gambogic acid inhibits multiple myeloma mediated osteoclastogenesis through suppression of chemokine receptor CXCR4 signaling pathways. <i>Experimental Hematology</i> , 2014 , 42, 883-96	3.1	31
63	Mechanisms of oral carcinogenesis induced by dibenzo[a,l]pyrene: an environmental pollutant and a tobacco smoke constituent. <i>International Journal of Cancer</i> , 2013 , 133, 1300-9	7.5	31
62	Proteasomal degradation of Mcl-1 by maritoclax induces apoptosis and enhances the efficacy of ABT-737 in melanoma cells. <i>PLoS ONE</i> , 2013 , 8, e78570	3.7	31
61	Novel seleno- and thio-urea derivatives with potent in vitro activities against several cancer cell lines. <i>European Journal of Medicinal Chemistry</i> , 2016 , 113, 134-44	6.8	30
60	Identification and quantification of DNA adducts in the oral tissues of mice treated with the environmental carcinogen dibenzo[a,l]pyrene by HPLC-MS/MS. <i>Chemical Research in Toxicology</i> , 2011 , 24, 1297-303	4	30
59	Effect of artificial mixtures of environmental polycyclic aromatic hydrocarbons present in coal tar, urban dust, and diesel exhaust particulates on MCF-7 cells in culture. <i>Environmental and Molecular Mutagenesis</i> , 2004 , 44, 99-107	3.2	29
58	Post SELECT: selenium on trial. <i>Future Medicinal Chemistry</i> , 2013 , 5, 163-74	4.1	28
57	Preliminary physiologically based pharmacokinetic models for benzo[a]pyrene and dibenzo[def,p]chrysene in rodents. <i>Toxicology and Applied Pharmacology</i> , 2011 , 257, 365-76	4.6	28
56	Bolaamphiphile-based nanocomplex delivery of phosphorothioate gapmer antisense oligonucleotides as a treatment for <i>Clostridium difficile</i> . <i>International Journal of Nanomedicine</i> , 2016 , 11, 3607-19	7.3	28
55	The apoptotic mechanism of action of the sphingosine kinase 1 selective inhibitor SKI-178 in human acute myeloid leukemia cell lines. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015 , 352, 494-508	4.7	27
54	Microwave-assisted Suzuki cross-coupling reaction, a key step in the synthesis of polycyclic aromatic hydrocarbons and their metabolites. <i>Journal of Organic Chemistry</i> , 2007 , 72, 8987-9	4.2	26

53	Effect of ligand activation of peroxisome proliferator-activated receptor-beta/delta (PPARbeta/delta) in human lung cancer cell lines. <i>Toxicology</i> , 2008 , 254, 112-7	4.4	26
52	Reactions of 1,3-diaza-1,3-butadienes with haloketenes - rearrangements accompanying [4+2] cycloaddition reactions.. <i>Tetrahedron</i> , 1994 , 50, 7579-7588	2.4	26
51	Chalcogen containing heterocyclic scaffolds: New hybrids with antitumoral activity. <i>European Journal of Medicinal Chemistry</i> , 2016 , 123, 407-418	6.8	26
50	Development of novel naphthalimide derivatives and their evaluation as potential melanoma therapeutics. <i>European Journal of Medicinal Chemistry</i> , 2011 , 46, 3331-8	6.8	25
49	Phenylalkyl isoselenocyanates vs phenylalkyl isothiocyanates: thiol reactivity and its implications. <i>Chemico-Biological Interactions</i> , 2012 , 200, 28-37	5	24
48	Rational incorporation of selenium into temozolomide elicits superior antitumor activity associated with both apoptotic and autophagic cell death. <i>PLoS ONE</i> , 2012 , 7, e35104	3.7	24
47	Synthesis and [4+2] cycloaddition reactions of 4-(N-allyl-N-aryl)amino-1,3-diaza-1,3-butadienes with vinyl-, isopropenyl- and chloroketenes: Entry to novel pyrimidinone/fused pyrimidinone derivatives. <i>Tetrahedron</i> , 1997 , 53, 13841-13854	2.4	23
46	Synthesis and bioactivity of sphingosine kinase inhibitors and their novel aspirinyl conjugated analogs. <i>European Journal of Medicinal Chemistry</i> , 2010 , 45, 4149-56	6.8	22
45	Synthesis and biological evaluation of novel spiro 6-methoxytetralin-1,3Tpyrrolidine based organoselenocyanates against cadmium-induced oxidative and hepatic damage in mice. <i>European Journal of Medicinal Chemistry</i> , 2010 , 45, 3265-73	6.8	22
44	Impact of pregnancy on the pharmacokinetics of dibenzo[def,p]chrysene in mice. <i>Toxicological Sciences</i> , 2013 , 135, 48-62	4.4	20
43	Ligand activation of peroxisome proliferator-activated receptor-beta/delta (PPARbeta/delta) inhibits cell growth in a mouse mammary gland cancer cell line. <i>Cancer Letters</i> , 2010 , 288, 219-25	9.9	19
42	The chemopreventive effect of withaferin A on spontaneous and inflammation-associated colon carcinogenesis models. <i>Carcinogenesis</i> , 2018 , 39, 1537-1547	4.6	18
41	Sphingo-guanidines and their use as inhibitors of sphingosine kinase (WO2010078247). <i>Expert Opinion on Therapeutic Patents</i> , 2011 , 21, 807-12	6.8	18
40	Development of Isoselenocyanate Compounds Syntheses and Biological Applications. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 5261-5275	8.3	18
39	Novel selenadiazole derivatives as selective antitumor and radical scavenging agents. <i>European Journal of Medicinal Chemistry</i> , 2018 , 157, 14-27	6.8	17
38	Regioselective [4+2] cycloaddition versus nucleophilic reactions of N-arylamino substituted 1,3-diaza-1,3-butadienes with ketenes: Synthesis of pyrimidinone and fused pyrimidinone derivatives. Part II. <i>Tetrahedron</i> , 1997 , 53, 13829-13840	2.4	17
37	Comparative tumorigenicity of the environmental pollutant 6-nitrochrysene and its metabolites in the rat mammary gland. <i>Chemical Research in Toxicology</i> , 2002 , 15, 972-8	4	17
36	Synthesis and regioselective [4+2] cycloaddition/nucleophilic reactions of N-arylamino-1:3-diaza-1:3-butadienes with ketenes and accompanying rearrangements. <i>Tetrahedron</i> , 1995 , 51, 7459-7468	2.4	17

35	Design, synthesis, and anti-breast cancer evaluation of new triarylethylene analogs bearing short alkyl- and polar amino-/amido-ethyl chains. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 1963-9	2.9	16
34	Simultaneous detection of deoxyadenosine and deoxyguanosine adducts in the tongue and other oral tissues of mice treated with Dibenzo[a,l]pyrene. <i>Chemical Research in Toxicology</i> , 2014 , 27, 1199-2064		16
33	Phenylbutyl isoselenocyanate modulates phase I and II enzymes and inhibits 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone-induced DNA adducts in mice. <i>Cancer Prevention Research</i> , 2011 , 4, 1884-94	3.2	16
32	Design, synthesis and evaluation of Ospemifene analogs as anti-breast cancer agents. <i>European Journal of Medicinal Chemistry</i> , 2014 , 86, 211-8	6.8	15
31	Identification and quantification of six-ring cata-condensed polycyclic aromatic hydrocarbons in a complex mixture of polycyclic aromatic hydrocarbons from coal tar. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 9165-76	4.4	15
30	Synthesis of isosteric selenium analog of the PPARbeta/delta agonist GW501516 and comparison of biological activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 4050-2	2.9	15
29	Synthesis, in vitro metabolism, cell transformation, mutagenicity, and DNA adduction of dibenzo[c,mno]chrysene. <i>Chemical Research in Toxicology</i> , 2002 , 15, 964-71	4	15
28	Design, synthesis, and identification of a novel naphthalamide-isoselenocyanate compound NISC-6 as a dual Topoisomerase-II and Akt pathway inhibitor, and evaluation of its anti-melanoma activity. <i>European Journal of Medicinal Chemistry</i> , 2017 , 135, 282-295	6.8	13
27	Synthesis of 5-dienyl pyrimidinones and tandem [1,5] shifts in [4+2] cycloadditions of 1,3-diazabuta-1,3-dienes with butadienylketene. <i>Tetrahedron Letters</i> , 1998 , 39, 7205-7208	2	13
26	Characterization of dibenzo[a,l]pyrene-trans-11,12-diol (dibenzo[def,p]chrysene) glucuronidation by UDP-glucuronosyltransferases. <i>Chemical Research in Toxicology</i> , 2011 , 24, 1549-59	4	12
25	Convenient syntheses of dibenzo[c,p]chrysene and its possible proximate and ultimate carcinogens: in vitro metabolism and DNA adduction studies. <i>Journal of Organic Chemistry</i> , 2005 , 70, 4962-70	4.2	12
24	Regioselective and unusual [3+2] cycloadditions of nitrostyrenes with 1,3-diaza-1,3-butadienes. <i>Tetrahedron Letters</i> , 1993 , 34, 7961-7964	2	11
23	Interaction between APC and Fen1 during breast carcinogenesis. <i>DNA Repair</i> , 2016 , 41, 54-62	4.3	11
22	Design and synthesis of novel thiobarbituric acid derivatives targeting both wild-type and BRAF-mutated melanoma cells. <i>European Journal of Medicinal Chemistry</i> , 2018 , 143, 1919-1930	6.8	11
21	Facile syntheses of O(2)-[4-(3-pyridyl-4-oxobut-1-yl)thymidine, the major adduct formed by tobacco specific nitrosamine 4-methylnitrosamino-1-(3-pyridyl)-1-butanone (NNK) in vivo, and its site-specifically adducted oligodeoxynucleotides. <i>Chemical Research in Toxicology</i> , 2011 , 24, 960-7	4	10
20	Investigation of the genotoxicity of dibenzo[c,p]chrysene in human carcinoma MCF-7 cells in culture. <i>Chemico-Biological Interactions</i> , 2006 , 164, 181-91	5	10
19	The Akt inhibitor ISC-4 synergizes with cetuximab in 5-FU-resistant colon cancer. <i>PLoS ONE</i> , 2013 , 8, e59380	3.8	10
18	Molecular insights: Suppression of EGFR and AKT activation by a small molecule in non-small cell lung cancer. <i>Genes and Cancer</i> , 2017 , 8, 713-724	2.9	10

17	Cationic amphiphilic bolaamphiphile-based delivery of antisense oligonucleotides provides a potentially microbiome sparing treatment for <i>C. difficile</i> . <i>Journal of Antibiotics</i> , 2018 , 71, 713-721	3.7	9
16	Phenylbutyl isoselenocyanate induces reactive oxygen species to inhibit androgen receptor and to initiate p53-mediated apoptosis in LNCaP prostate cancer cells. <i>Molecular Carcinogenesis</i> , 2018 , 57, 1055-1066	5.1066	9
15	Adenine-DNA adduct derived from the nitroreduction of 6-nitrochrysene is more resistant to nucleotide excision repair than guanine-DNA adducts. <i>Chemical Research in Toxicology</i> , 2013 , 26, 1746-54	4	9
14	Characterization of naphtho[1,2-a]pyrene and naphtho[1,2-e]pyrene DNA adducts in C3H10T1/2 fibroblasts. <i>Cancer Letters</i> , 2007 , 247, 309-17	9.9	8
13	NSC30049 inhibits Chk1 pathway in 5-FU-resistant CRC bulk and stem cell populations. <i>Oncotarget</i> , 2017 , 8, 57246-57264	3.3	8
12	Identification of a Novel Quinoxaline-Isoselenourea Targeting the STAT3 Pathway as a Potential Melanoma Therapeutic. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	7
11	An Abbreviated Synthesis of 7,12-Dimethylbenz[a]anthracene and Benzo[c]chrysene Metabolites Using the Suzuki Reaction. <i>Polycyclic Aromatic Compounds</i> , 2002 , 22, 277-288	1.3	7
10	Synthesis and identification of major metabolites of environmental pollutant dibenzo[<i>c,mno</i>]chrysene. <i>Chemical Research in Toxicology</i> , 2005 , 18, 1438-43	4	6
9	Synthesis, in Vitro Metabolism, Mutagenicity, and DNA-Adduction of Naphtho[1,2- e]pyrene. <i>Polycyclic Aromatic Compounds</i> , 2002 , 22, 267-276	1.3	6
8	ASR352, A potent anticancer agent: Synthesis, preliminary SAR, and biological activities against colorectal cancer bulk, 5-fluorouracil/oxaliplatin resistant and stem cells. <i>European Journal of Medicinal Chemistry</i> , 2019 , 161, 456-467	6.8	6
7	Methods of selecting combination therapy for colorectal cancer patients: a patent evaluation of US20160025730A1. <i>Expert Opinion on Therapeutic Patents</i> , 2017 , 27, 527-538	6.8	3
6	Synthesis, microsomal-mediated metabolism, and identification of major metabolites of environmental pollutant naphtho[8,1,2-ghi]chrysene. <i>Chemical Research in Toxicology</i> , 2008 , 21, 1154-62	4	3
5	Synthesis of Dihydrodiol Metabolites of Naphtho[8,1,2- GHI]Chrysene and Dibenzo[C,MNO]Chrysene. <i>Polycyclic Aromatic Compounds</i> , 2003 , 23, 297-305	1.3	3
4	Recent Advances in the Chemistry and Therapeutic Evaluation of Naturally Occurring and Synthetic Withanolides.. <i>Molecules</i> , 2022 , 27,	4.8	2
3	NSAIDs: Old Acquaintance in the Pipeline for Cancer Treatment and Prevention-Structural Modulation, Mechanisms of Action, and Bright Future. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 16380-16421	8.3	2
2	Novel Seleno-Aspirinyl Compound AS-10 Induces Apoptosis, G1 Arrest of Pancreatic Ductal Adenocarcinoma Cells, Inhibits Their NF- κ B Signaling, and Synergizes with Gemcitabine Cytotoxicity. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
1	An Efficient Synthesis of Dibenzo[<i>a,l</i>]tetracene and Dibenzo[<i>a,j</i>]tetracene and Their Identification in a Coal Tar Extract. <i>Polycyclic Aromatic Compounds</i> , 2020 , 40, 88-98	1.3	