Arun K Sharma

List of Publications by Year in Descending Order

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	Recent Advances in the Chemistry and Therapeutic Evaluation of Naturally Occurring and Synthetic Withanolides.. *Molecules*, **2022**, 27,	4.8	2
87	NSAIDs: Old Acquaintance in the Pipeline for Cancer Treatment and Prevention-Structural Modulation, Mechanisms of Action, and Bright Future. *Journal of Medicinal Chemistry*, **2021**, 64, 16380-16421	8.3	2
86	Novel Seleno-Aspirinyl Compound AS-10 Induces Apoptosis, G1 Arrest of Pancreatic Ductal Adenocarcinoma Cells, Inhibits Their NF-B Signaling, and Synergizes with Gemcitabine Cytotoxicity. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
85	Development and Therapeutic Potential of Selenazo Compounds. *Journal of Medicinal Chemistry*, **2020**, 63, 1473-1489	8.3	37
84	An Efficient Synthesis of Dibenzo[a,l]tetracene and Dibenzo[a,j]tetracene and Their Identification in a Coal Tar Extract. *Polycyclic Aromatic Compounds*, **2020**, 40, 88-98	1.3	
83	Identification of a Novel Quinoxaline-Isoselenourea Targeting the STAT3 Pathway as a Potential Melanoma Therapeutic. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	7
82	Development of Isoselenocyanate CompoundsTSyntheses and Biological Applications. *Journal of Medicinal Chemistry*, **2019**, 62, 5261-5275	8.3	18
81	ASR352, A potent anticancer agent: Synthesis, preliminary SAR, and biological activities against colorectal cancer bulk, 5-fluorouracil/oxaliplatin resistant and stem cells. *European Journal of Medicinal Chemistry*, **2019**, 161, 456-467	6.8	6
80	Cationic amphiphilic bolaamphiphile-based delivery of antisense oligonucleotides provides a potentially microbiome sparing treatment for C. difficile. *Journal of Antibiotics*, **2018**, 71, 713-721	3.7	9
79	Phenylbutyl isoselenocyanate induces reactive oxygen species to inhibit androgen receptor and to initiate p53-mediated apoptosis in LNCaP prostate cancer cells. *Molecular Carcinogenesis*, **2018**, 57, 1055-1066	5	9
78	Novel selenadiazole derivatives as selective antitumor and radical scavenging agents. *European Journal of Medicinal Chemistry*, **2018**, 157, 14-27	6.8	17
77	The chemopreventive effect of withaferin A on spontaneous and inflammation-associated colon carcinogenesis models. *Carcinogenesis*, **2018**, 39, 1537-1547	4.6	18
76	Design and synthesis of novel thiobarbituric acid derivatives targeting both wild-type and BRAF-mutated melanoma cells. *European Journal of Medicinal Chemistry*, **2018**, 143, 1919-1930	6.8	11
75	Design, synthesis, and identification of a novel napthalamide-isoselenocyanate compound NISC-6 as a dual Topoisomerase-II and Akt pathway inhibitor, and evaluation of its anti-melanoma activity. *European Journal of Medicinal Chemistry*, **2017**, 135, 282-295	6.8	13
74	Methods of selecting combination therapy for colorectal cancer patients: a patent evaluation of US20160025730A1. *Expert Opinion on Therapeutic Patents*, **2017**, 27, 527-538	6.8	3
73	Molecular insights: Suppression of EGFR and AKT activation by a small molecule in non-small cell lung cancer. *Genes and Cancer*, **2017**, 8, 713-724	2.9	10
72	NSC30049 inhibits Chk1 pathway in 5-FU-resistant CRC bulk and stem cell populations. *Oncotarget*, **2017**, 8, 57246-57264	3.3	8

71	Novel seleno- and thio-urea derivatives with potent in vitro activities against several cancer cell lines. *European Journal of Medicinal Chemistry*, **2016**, 113, 134-44	6.8	30
70	Design, synthesis, and anti-breast cancer evaluation of new triarylethylene analogs bearing short alkyl- and polar amino-/amido-ethyl chains. *Bioorganic and Medicinal Chemistry Letters*, **2016**, 26, 1963-9	2.9	16
69	Design, Synthesis, and Biological Evaluation of Novel Selenium (Se-NSAID) Molecules as Anticancer Agents. *Journal of Medicinal Chemistry*, **2016**, 59, 1946-59	8.3	88
68	Bolaamphiphile-based nanocomplex delivery of phosphorothioate gapmer antisense oligonucleotides as a treatment for Clostridium difficile. *International Journal of Nanomedicine*, **2016**, 11, 3607-19	7.3	28
67	Interaction between APC and Fen1 during breast carcinogenesis. *DNA Repair*, **2016**, 41, 54-62	4.3	11
66	Chalcogen containing heterocyclic scaffolds: New hybrids with antitumoral activity. *European Journal of Medicinal Chemistry*, **2016**, 123, 407-418	6.8	26
65	The apoptotic mechanism of action of the sphingosine kinase 1 selective inhibitor SKI-178 in human acute myeloid leukemia cell lines. *Journal of Pharmacology and Experimental Therapeutics*, **2015**, 352, 494-508	4.7	27
64	Identification and quantification of six-ring CHData-condensed polycyclic aromatic hydrocarbons in a complex mixture of polycyclic aromatic hydrocarbons from coal tar. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 9165-76	4.4	15
63	Synthesis and biological evaluation of some 2-(3,5-dimethyl-1H-pyrazol-1-yl)-1-arylethanones: antibacterial, DNA photocleavage, and anticancer activities. *European Journal of Medicinal Chemistry*, **2014**, 81, 267-76	6.8	35
62	Simultaneous detection of deoxyadenosine and deoxyguanosine adducts in the tongue and other oral tissues of mice treated with Dibenzo[a,l]pyrene. *Chemical Research in Toxicology*, **2014**, 27, 1199-206	4	16
61	Gambogic acid inhibits multiple myeloma mediated osteoclastogenesis through suppression of chemokine receptor CXCR4 signaling pathways. *Experimental Hematology*, **2014**, 42, 883-96	3.1	31
60	Design, synthesis and evaluation of Ospemifene analogs as anti-breast cancer agents. *European Journal of Medicinal Chemistry*, **2014**, 86, 211-8	6.8	15
59	Importance of sphingosine kinase (SphK) as a target in developing cancer therapeutics and recent developments in the synthesis of novel SphK inhibitors. *Journal of Medicinal Chemistry*, **2014**, 57, 5509-24	8.3	76
58	Post SELECT: selenium on trial. *Future Medicinal Chemistry*, **2013**, 5, 163-74	4.1	28
57	Adenine-DNA adduct derived from the nitroreduction of 6-nitrochrysene is more resistant to nucleotide excision repair than guanine-DNA adducts. *Chemical Research in Toxicology*, **2013**, 26, 1746-54	4	9
56	Mechanisms of oral carcinogenesis induced by dibenzo[a,l]pyrene: an environmental pollutant and a tobacco smoke constituent. *International Journal of Cancer*, **2013**, 133, 1300-9	7.5	31
55	Impact of pregnancy on the pharmacokinetics of dibenzo[def,p]chrysene in mice. *Toxicological Sciences*, **2013**, 135, 48-62	4.4	20
54	The Akt inhibitor ISC-4 synergizes with cetuximab in 5-FU-resistant colon cancer. *PLoS ONE*, **2013**, 8, e59380	3.7	10

53	Proteasomal degradation of Mcl-1 by maritoclax induces apoptosis and enhances the efficacy of ABT-737 in melanoma cells. *PLoS ONE*, **2013**, 8, e78570	3.7	31
52	In vitro growth inhibition of human cancer cells by novel honokiol analogs. *Bioorganic and Medicinal Chemistry*, **2012**, 20, 3202-11	3.4	33
51	Phenylalkyl isoselenocyanates vs phenylalkyl isothiocyanates: thiol reactivity and its implications. *Chemico-Biological Interactions*, **2012**, 200, 28-37	5	24
50	Rational incorporation of selenium into temozolomide elicits superior antitumor activity associated with both apoptotic and autophagic cell death. *PLoS ONE*, **2012**, 7, e35104	3.7	24
49	Mutagenesis and carcinogenesis induced by dibenzo[a,l]pyrene in the mouse oral cavity: a potential new model for oral cancer. *International Journal of Cancer*, **2012**, 130, 2783-90	7.5	41
48	Selenium compounds, apoptosis and other types of cell death: an overview for cancer therapy. *International Journal of Molecular Sciences*, **2012**, 13, 9649-72	6.3	169
47	Characterization of dibenzo[a,l]pyrene-trans-11,12-diol (dibenzo[def,p]chrysene) glucuronidation by UDP-glucuronosyltransferases. *Chemical Research in Toxicology*, **2011**, 24, 1549-59	4	12
46	Preliminary physiologically based pharmacokinetic models for benzo[a]pyrene and dibenzo[def,p]chrysene in rodents. *Toxicology and Applied Pharmacology*, **2011**, 257, 365-76	4.6	28
45	Synthesis and biological evaluation of a novel class of isatin analogs as dual inhibitors of tubulin polymerization and Akt pathway. *Bioorganic and Medicinal Chemistry*, **2011**, 19, 6006-14	3.4	47
44	Sphingo-guanidines and their use as inhibitors of sphingosine kinase (WO2010078247). *Expert Opinion on Therapeutic Patents*, **2011**, 21, 807-12	6.8	18
43	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. *Chemical Research in Toxicology*, **2011**, 24, 1297-303	4	30
42	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. *Chemical Research in Toxicology*, **2011**, 24, 960-7	4	10
41	Development of novel naphthalimide derivatives and their evaluation as potential melanoma therapeutics. *European Journal of Medicinal Chemistry*, **2011**, 46, 3331-8	6.8	25
40	The Akt inhibitor ISC-4 activates prostate apoptosis response protein-4 and reduces colon tumor growth in a nude mouse model. *Clinical Cancer Research*, **2011**, 17, 4474-83	12.9	35
39	Melanoma chemoprevention in skin reconstructs and mouse xenografts using isoselenocyanate-4. *Cancer Prevention Research*, **2011**, 4, 248-58	3.2	45
38	Suppression of cytokine-mediated complement factor gene expression through selective activation of the Ah receptor with 3Ţ4Ŧdimethoxy-□naphthoflavone. *Molecular Pharmacology*, **2011**, 79, 508-19	4.3	41
37	Phenylbutyl isoselenocyanate modulates phase I and II enzymes and inhibits 4-(methylnitrosamino)-1-(3-pyridyl)- 1-butanone-induced DNA adducts in mice. *Cancer Prevention Research*, **2011**, 4, 1884-94	3.2	16
36	Cellular and pharmacological selectivity of the peroxisome proliferator-activated receptor-beta/delta antagonist GSK3787. *Molecular Pharmacology*, **2010**, 78, 419-30	4.3	45

35	Development of a selective modulator of aryl hydrocarbon (Ah) receptor activity that exhibits anti-inflammatory properties. *Chemical Research in Toxicology*, **2010**, 23, 955-66	4	57
34	Ligand activation of peroxisome proliferator-activated receptor-beta/delta (PPARbeta/delta) inhibits cell growth in a mouse mammary gland cancer cell line. *Cancer Letters*, **2010**, 288, 219-25	9.9	19
33	Synthesis and bioactivity of sphingosine kinase inhibitors and their novel aspirinyl conjugated analogs. *European Journal of Medicinal Chemistry*, **2010**, 45, 4149-56	6.8	22
32	Synthesis of isosteric selenium analog of the PPARbeta/delta agonist GW501516 and comparison of biological activity. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 4050-2	2.9	15
31	Development of a sphingosine kinase 1 specific small-molecule inhibitor. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 7498-502	2.9	48
30	Synthesis and biological evaluation of novel spiro 6-methoxytetralin-1,3Ŧpyrrolidine based organoselenocyanates against cadmium-induced oxidative and hepatic damage in mice. *European Journal of Medicinal Chemistry*, **2010**, 45, 3265-73	6.8	22
29	Targeting Akt3 signaling in malignant melanoma using isoselenocyanates. *Clinical Cancer Research*, **2009**, 15, 1674-85	12.9	87
28	Functional significance of UDP-glucuronosyltransferase variants in the metabolism of active tamoxifen metabolites. *Cancer Research*, **2009**, 69, 1892-900	10.1	63
27	Synthesis and anticancer activity comparison of phenylalkyl isoselenocyanates with corresponding naturally occurring and synthetic isothiocyanates. *Journal of Medicinal Chemistry*, **2008**, 51, 7820-6	8.3	78
26	Synthesis, microsome-mediated metabolism, and identification of major metabolites of environmental pollutant naphtho[8,1,2-ghi]chrysene. *Chemical Research in Toxicology*, **2008**, 21, 1154-62	4	3
25	Ligand activation of peroxisome proliferator-activated receptor-beta/delta inhibits cell proliferation in human HaCaT keratinocytes. *Molecular Pharmacology*, **2008**, 74, 1429-42	4.3	51
24	Peroxisome proliferator-activated receptor-beta/delta (PPARbeta/delta) ligands inhibit growth of UACC903 and MCF7 human cancer cell lines. *Toxicology*, **2008**, 243, 236-43	4.4	56
23	Effect of ligand activation of peroxisome proliferator-activated receptor-beta/delta (PPARbeta/delta) in human lung cancer cell lines. *Toxicology*, **2008**, 254, 112-7	4.4	26
22	Microwave-assisted Suzuki cross-coupling reaction, a key step in the synthesis of polycyclic aromatic hydrocarbons and their metabolites. *Journal of Organic Chemistry*, **2007**, 72, 8987-9	4.2	26
21	Elimination of antiestrogenic effects of active tamoxifen metabolites by glucuronidation. *Drug Metabolism and Disposition*, **2007**, 35, 1942-8	4	50
20	Glucuronidation of active tamoxifen metabolites by the human UDP glucuronosyltransferases. *Drug Metabolism and Disposition*, **2007**, 35, 2006-14	4	85
19	Peroxisome proliferator-activated receptor-beta/delta (PPARbeta/delta) ligands do not potentiate growth of human cancer cell lines. *Carcinogenesis*, **2007**, 28, 2641-9	4.6	61
18	Characterization of naphtho[1,2-a]pyrene and naphtho[1,2-e]pyrene DNA adducts in C3H10T1/2 fibroblasts. *Cancer Letters*, **2007**, 247, 309-17	9.9	8

17	Investigation of the genotoxicity of dibenzo[c,p]chrysene in human carcinoma MCF-7 cells in culture. *Chemico-Biological Interactions*, **2006**, 164, 181-91	5	10
16	Targeting mitogen-activated protein kinase/extracellular signal-regulated kinase kinase in the mutant (V600E) B-Raf signaling cascade effectively inhibits melanoma lung metastases. *Cancer Research*, **2006**, 66, 8200-9	10.1	106
15	Convenient syntheses of dibenzo[c,p]chrysene and its possible proximate and ultimate carcinogens: in vitro metabolism and DNA adduction studies. *Journal of Organic Chemistry*, **2005**, 70, 4962-70	4.2	12
14	Synthesis and identification of major metabolites of environmental pollutant dibenzo[c,mno]chrysene. *Chemical Research in Toxicology*, **2005**, 18, 1438-43	4	6
13	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. *Environmental and Molecular Mutagenesis*, **2004**, 44, 99-107	3.2	29
12	Synthesis of Dihydrodiol Metabolites of Naphtho[8,1,2- GHI]Chrysene and Dibenzo[C,MNO]Chrysene. *Polycyclic Aromatic Compounds*, **2003**, 23, 297-305	1.3	3
11	An Abbreviated Synthesis of 7,12-Dimethylbenz[a]anthracene and Benzo[c]chrysene Metabolites Using the Suzuki Reaction. *Polycyclic Aromatic Compounds*, **2002**, 22, 277-288	1.3	7
10	Synthesis, in Vitro Metabolism, Mutagenicity, and DNA-Adduction of Naphtho[1,2- e]pyrene. *Polycyclic Aromatic Compounds*, **2002**, 22, 267-276	1.3	6
9	Synthesis, in vitro metabolism, cell transformation, mutagenicity, and DNA adduction of dibenzo[c,mno]chrysene. *Chemical Research in Toxicology*, **2002**, 15, 964-71	4	15
8	Comparative tumorigenicity of the environmental pollutant 6-nitrochrysene and its metabolites in the rat mammary gland. *Chemical Research in Toxicology*, **2002**, 15, 972-8	4	17
7	Synthesis of 5-dienyl pyrimidinones and tandem [1,5] shifts in [4+2] cycloadditions of 1,3-diazabuta-1,3-dienes with butadienylketene. *Tetrahedron Letters*, **1998**, 39, 7205-7208	2	13
6	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. *Tetrahedron*, **1997**, 53, 13829-13840	2.4	17
5	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. *Tetrahedron*, **1997**, 53, 13841-13854	2.4	23
4	A Convenient Trans Diastereoselective Synthesis of 3-Butadienylazetidinones and Their Diels□Alder Cycloaddition Reactions. *Journal of Organic Chemistry*, **1996**, 61, 5506-5509	4.2	33
3	Synthesis and regioselective [4+2] cycloaddition/nucleophilic reactions of N-arylamino-1:3-diaza-1:3-butadienes with ketenes and accompanying rearrangements. *Tetrahedron*, **1995**, 51, 7459-7468	2.4	17
2	Reactions of 1,3-diaza-1,3-butadienes with haloketenes - rearrangements accompanying [4+2] cycloaddition reactions.. *Tetrahedron*, **1994**, 50, 7579-7588	2.4	26
1	Regioselective and unusual [3+2] cycloadditions of □nitrosostyrenes with 1,3-diaza-1,3-butadienes. *Tetrahedron Letters*, **1993**, 34, 7961-7964	2	11