Subash Chandra Gupta

List of Publications by Year
in descending order

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126 papers	19,912 citations	32410 55 h-index	24511 114 g-index
129 all docs	129 docs citations	129 times ranked	33266 citing authors

#	Article	IF	Citations
1	Efficacy of Cannabis and its Constituents in Disease Management: Insights from Clinical Studies. Current Medicinal Chemistry, 2023, 30, 178-202.	1.2	6
2	Phytochemicals in cancer cell chemosensitization: Current knowledge and future perspectives. Seminars in Cancer Biology, 2022, 80, 306-339.	4.3	77
3	Piperlongumine, a piper alkaloid, enhances the efficacy of doxorubicin in breast cancer: involvement of glucose import, ROS, NF-ÎºB and lncRNAs. Apoptosis: an International Journal on Programmed Cell Death, 2022, 27, 261-282.	2.2	9
4	miR-15a and miR-15b modulate natural killer and CD8+T-cell activation and anti-tumor immune response by targeting PD-L1 in neuroblastoma. Molecular Therapy - Oncolytics, 2022, 25, 308-329.	2.0	12
5	A multifunctional basic pH indicator probe for distinguishable detection of Co²⁺, Cu²⁺and Zn²⁺with its utility in mitotracking and monitoring cytoplasmic viscosity in apoptotic cells. Dalton Transactions, 2022, 51, 6927-6935.	1.6	14
6	Melatonin induces apoptosis and cell cycle arrest in cervical cancer cells via inhibition of NF-ÎºB pathway. Inflammopharmacology, 2022, 30, 1411-1429.	1.9	11
7	Cannabis and its constituents for cancer: History, biogenesis, chemistry and pharmacological activities. Pharmacological Research, 2021, 163, 105302.	3.1	48
8	COVID-19 and Cancer Comorbidity: Therapeutic Opportunities and Challenges. Theranostics, 2021, 11, 731-753.	4.6	60
9	Drug repurposing for breast cancer therapy: Old weapon for new battle. Seminars in Cancer Biology, 2021, 68, 8-20.	4.3	74
10	Is Upregulation of Sarcolipin Beneficial or Detrimental to Muscle Function?. Frontiers in Physiology, 2021, 12, 633058.	1.3	22
11	Evaluation of antioxidant, anti-inflammatory and anticancer activities of diosgenin enriched Paris polyphylla rhizome extract of Indian Himalayan landraces. Journal of Ethnopharmacology, 2021, 270, 113842.	2.0	27
12	The emerging role of non-coding RNAs in the epigenetic regulation of pediatric cancers. Seminars in Cancer Biology, 2021, , .	4.3	11
13	Diagnostic, prognostic, and therapeutic significance of long non-coding RNA MALAT1 in cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2021, 1875, 188502.	3.3	179
14	Long noncoding RNAs in tripleâ€negative breast cancer: A new frontier in the regulation of tumorigenesis. Journal of Cellular Physiology, 2021, 236, 7938-7965.	2.0	39
15	Genes involved in phosphatidylcholine biosynthesis correlate with nuclear factor-ÎºB in biliary tract cancer patients: Evidence from 1H NMR and computational analyses. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2021, 1866, 158970.	1.2	1
16	Biogenic synthesis and characterization of selenium nanoparticles and their applications with special reference to antibacterial, antioxidant, anticancer and photocatalytic activity. Bioprocess and Biosystems Engineering, 2021, 44, 2679-2696.	1.7	19
17	COVID-19, cytokines, inflammation, and spices: How are they related?. Life Sciences, 2021, 284, 119201.	2.0	68
18	Inflammation and ROS in arthritis: management by Ayurvedic medicinal plants. Food and Function, 2021, 12, 8227-8247.	2.1	17

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19	miRâ€15aâ€5p, miRâ€15bâ€5p, and miRâ€16â€5p inhibit tumor progression by directly targeting MYCN in neuroblastoma. Molecular Oncology, 2020, 14, 180-196.	2.1	91
20	Long non-coding RNAs and nuclear factor-Î¹B crosstalk in cancer and other human diseases. Biochimica Et Biophysica Acta: Reviews on Cancer, 2020, 1873, 188316.	3.3	69
21	Oxidative Stress and Cancer Development: Are Noncoding RNAs the Missing Links?. Antioxidants and Redox Signaling, 2020, 33, 1209-1229.	2.5	32
22	Clinico-pathological peculiarities of human papilloma virus driven head and neck squamous cell carcinoma: A comprehensive update. Life Sciences, 2020, 245, 117383.	2.0	21
23	Immunotherapy: A New Hope for Cancer Patients. Journal of Oncology, 2020, 2020, 1-2.	0.6	5
24	Epoxyazadiradione exhibit activities in head and neck squamous cell carcinoma by targeting multiple pathways. Apoptosis: an International Journal on Programmed Cell Death, 2020, 25, 763-782.	2.2	11
25	Regulation of non-coding RNAs by phytochemicals for cancer therapy. , 2019, , 371-380.		0
26	Is curcumin bioavailability a problem in humans: lessons from clinical trials. Expert Opinion on Drug Metabolism and Toxicology, 2019, 15, 705-733.	1.5	140
27	Caffeine-enhanced anti-tumor immune response through decreased expression of PD1 on infiltrated cytotoxic T lymphocytes. European Journal of Pharmacology, 2019, 859, 172538.	1.7	15
28	The role of exosomes and MYC in therapy resistance of acute myeloid leukemia: Challenges and opportunities. Molecular Aspects of Medicine, 2019, 70, 21-32.	2.7	22
29	All edible materials derived biocompatible and biodegradable triboelectric nanogenerator. Nano Energy, 2019, 65, 104016.	8.2	103
30	Current research in biotechnology: Exploring the biotech forefront. Current Research in Biotechnology, 2019, 1, 34-40.	1.9	17
31	Evaluation of Safety and Efficacy of Nutraceuticals Using Drosophila as an in vivo Tool. , 2019, , 685-692.		0
32	Nutraceuticals for the Prevention and Cure of Cancer. , 2019, , 603-610.		2
33	Curcuma raktakanda Induces Apoptosis and Suppresses Migration in Cancer Cells: Role of Reactive Oxygen Species. Biomolecules, 2019, 9, 159.	1.8	25
34	A viscochromic, mechanochromic, and unsymmetrical azine for selective detection of Al³⁺ and Cu²⁺ ions and its mitotracking studies. New Journal of Chemistry, 2019, 43, 7109-7119.	1.4	25
35	Long non-coding RNAs are emerging targets of phytochemicals for cancer and other chronic diseases. Cellular and Molecular Life Sciences, 2019, 76, 1947-1966.	2.4	188
36	Cancer drug development: The missing links. Experimental Biology and Medicine, 2019, 244, 663-689.	1.1	72

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37	Potential of Small Animals in Toxicity Testing. , 2019, , 129-142.		1
38	Health benefits of resveratrol: Evidence from clinical studies. Medicinal Research Reviews, 2019, 39, 1851-1891.	5.0	307
39	Isodeoxyelephantopin, a Sesquiterpene Lactone Induces ROS Generation, Suppresses NF-Î¹B Activation, Modulates LncRNA Expression and Exhibit Activities Against Breast Cancer. Scientific Reports, 2019, 9, 17980.	1.6	16
40	Targeting IÎ¹appaB kinases for cancer therapy. Seminars in Cancer Biology, 2019, 56, 12-24.	4.3	39
41	MUC13 contributes to rewiring of glucose metabolism in pancreatic cancer. Oncogenesis, 2018, 7, 19.	2.1	29
42	Dietary nutraceuticals as backbone for bone health. Biotechnology Advances, 2018, 36, 1633-1648.	6.0	46
43	PD-L1, inflammation, non-coding RNAs, and neuroblastoma: Immuno-oncology perspective. Seminars in Cancer Biology, 2018, 52, 53-65.	4.3	58
44	Inflammation, a Double-Edge Sword for Cancer and Other Age-Related Diseases. Frontiers in Immunology, 2018, 9, 2160.	2.2	163
45	Natural Products for the Prevention and Treatment of Chronic Inflammatory Diseases: Integrating Traditional Medicine into Modern Chronic Diseases Care. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-2.	0.5	32
46	Googling the Guggul (Commiphora and Boswellia) for Prevention of Chronic Diseases. Frontiers in Pharmacology, 2018, 9, 686.	1.6	82
47	Chronic diseases, inflammation, and spices: how are they linked?. Journal of Translational Medicine, 2018, 16, 14.	1.8	229
48	Anti-cancer activities of Bharangin against breast cancer: Evidence for the role of NF-Î¹B and lncRNAs. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 2738-2749.	1.1	33
49	Role of Emodin in Chemosensitization of Cancer. , 2018, , 241-257.		2
50	Reactive oxygen species (ROS) and cancer: Role of antioxidative nutraceuticals. Cancer Letters, 2017, 387, 95-105.	3.2	704
51	Potential of long nonâ€coding RNAs in cancer patients: From biomarkers to therapeutic targets. International Journal of Cancer, 2017, 140, 1955-1967.	2.3	417
52	Regulation of cell signaling pathways by dietary agents for cancer prevention and treatment. Seminars in Cancer Biology, 2017, 46, 158-181.	4.3	57
53	Role of miRNAs in development and disease: Lessons learnt from small organisms. Life Sciences, 2017, 185, 8-14.	2.0	72
54	Curcumin mediates anticancer effects by modulating multiple cell signaling pathways. Clinical Science, 2017, 131, 1781-1799.	1.8	239

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55	Neem (Azadirachta indica): An indian traditional panacea with modern molecular basis. Phytomedicine, 2017, 34, 14-20.	2.3	143
56	Curcumin, the Holistic Avant-Garde. , 2017, , 343-349.		2
57	Abstract 4399: MUC13 induced NFÎºB activation regulates metabolic reprograming by promoting its crosstalk with GLUT-1 receptor. , 2017, , .		0
58	Oxidative Stress and Cancer: Advances and Challenges. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-1.	1.9	52
59	Curcumin downregulates human tumor necrosis factor-Î± levels: A systematic review and meta-analysis ofrandomized controlled trials. Pharmacological Research, 2016, 107, 234-242.	3.1	253
60	Serendipity in Cancer Drug Discovery: Rational or Coincidence?. Trends in Pharmacological Sciences, 2016, 37, 435-450.	4.0	47
61	Î³-Tocotrienol suppresses growth and sensitises human colorectal tumours to capecitabine in a nude mouse xenograft model by down-regulating multiple molecules. British Journal of Cancer, 2016, 115, 814-824.	2.9	38
62	Regulation of alternative splicing of Bcl-x by BC200 contributes to breast cancer pathogenesis. Cell Death and Disease, 2016, 7, e2262-e2262.	2.7	127
63	Cancer Drug Development Using Drosophila as an in vivo Tool: From Bedside to Bench and Back. Trends in Pharmacological Sciences, 2016, 37, 789-806.	4.0	59
64	Regulation of breast tumorigenesis through acid sensors. Oncogene, 2016, 35, 4102-4111.	2.6	66
65	Ursolic acid inhibits the growth of human pancreatic cancer and enhances the antitumor potential of gemcitabine in an orthotopic mouse model through suppression of the inflammatory microenvironment. Oncotarget, 2016, 7, 13182-13196.	0.8	55
66	Abstract 168: MALAT1 is crucial for epithelial-mesenchymal transition of breast cancer cells in acidic microenvironment. , 2015, , .		1
67	Targeting death receptors for TRAIL by agents designed by Mother Nature. Trends in Pharmacological Sciences, 2014, 35, 520-536.	4.0	62
68	Piperlongumine Chemosensitizes Tumor Cells through Interaction with Cysteine 179 of IÎºBÎ± Kinase, Leading to Suppression of NF-ÎºBâ€“Regulated Gene Products. Molecular Cancer Therapeutics, 2014, 13, 2422-2435.	1.9	49
69	Curcumin, a component of golden spice: From bedside to bench and back. Biotechnology Advances, 2014, 32, 1053-1064.	6.0	616
70	Downregulation of tumor necrosis factor and other proinflammatory biomarkers by polyphenols. Archives of Biochemistry and Biophysics, 2014, 559, 91-99.	1.4	245
71	Acidosis promotes invasiveness of breast cancer cells through ROS-AKT-NF-ÎºB pathway. Oncotarget, 2014, 5, 12070-12082.	0.8	76
72	Abstract 1101: Acidosis-induced NF-ÎºB promotes cell invasion in breast cancer. , 2014, , .		0

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73	Cancer drug discovery by repurposing: teaching new tricks to old dogs. Trends in Pharmacological Sciences, 2013, 34, 508-517.	4.0	291
74	Curcuminâ€free turmeric exhibits antiâ€inflammatory and anticancer activities: Identification of novel components of turmeric. Molecular Nutrition and Food Research, 2013, 57, 1529-1542.	1.5	238
75	Sarcolipin trumps Î²â€adrenergic receptor signaling as the favored mechanism for muscleâ€based dietâ€induced thermogenesis. FASEB Journal, 2013, 27, 3871-3878.	0.2	50
76	Nimbolide, a Limonoid Triterpene, Inhibits Growth of Human Colorectal Cancer Xenografts by Suppressing the Proinflammatory Microenvironment. Clinical Cancer Research, 2013, 19, 4465-4476.	3.2	88
77	Curcumin, a component of turmeric: From farm to pharmacy. BioFactors, 2013, 39, 2-13.	2.6	320
78	Therapeutic Roles of Curcumin: Lessons Learned from Clinical Trials. AAPS Journal, 2013, 15, 195-218.	2.2	1,416
79	Morin inhibits STAT3 tyrosine 705 phosphorylation in tumor cells through activation of protein tyrosine phosphatase SHP1. Biochemical Pharmacology, 2013, 85, 898-912.	2.0	64
80	Modulation of Proteasome Pathways by Nutraceuticals. Evidence-based Anticancer Complementary and Alternative Medicine, 2013, , 233-267.	0.1	0
81	Azadirone, a Limonoid Tetranortriterpene, Induces Death Receptors and Sensitizes Human Cancer Cells to Tumor Necrosis Factor-related Apoptosis-inducing Ligand (TRAIL) through a p53 Protein-independent Mechanism. Journal of Biological Chemistry, 2013, 288, 32343-32356.	1.6	54
82	Curcumin: an orally bioavailable blocker of <scp>TNF</scp> and other proâ€inflammatory biomarkers. British Journal of Pharmacology, 2013, 169, 1672-1692.	2.7	297
83	Multitargeting by turmeric, the golden spice: From kitchen to clinic. Molecular Nutrition and Food Research, 2013, 57, 1510-1528.	1.5	305
84	RANKL Signaling and Osteoclastogenesis Is Negatively Regulated by Cardamonin. PLoS ONE, 2013, 8, e64118.	1.1	19
85	Zyflamend Sensitizes Tumor Cells to TRAIL-Induced Apoptosis Through Up-Regulation of Death Receptors and Down-Regulation of Survival Proteins: Role of ROS-Dependent CCAAT/Enhancer-Binding Protein-Homologous Protein Pathway. Antioxidants and Redox Signaling, 2012, 16, 413-427.	2.5	19
86	Modification of cysteine 179 of IÎºBÎ± kinase by nimbolide leads to down-regulation of NF-ÎºB-regulated cell survival and proliferative proteins and sensitization of tumor cells to chemotherapeutic agents.. Journal of Biological Chemistry, 2012, 287, 12152.	1.6	2
87	3-Formylchromone Interacts with Cysteine 38 in p65 Protein and with Cysteine 179 in IÎºBÎ± Kinase, Leading to Down-regulation of Nuclear Factor-ÎºB (NF-ÎºB)-regulated Gene Products and Sensitization of Tumor Cells. Journal of Biological Chemistry, 2012, 287, 245-256.	1.6	19
88	Sarcolipin is a newly identified regulator of muscle-based thermogenesis in mammals. Nature Medicine, 2012, 18, 1575-1579.	15.2	441
89	Thiocolchicoside suppresses osteoclastogenesis induced by RANKL and cancer cells through inhibition of inflammatory pathways: a new use for an old drug. British Journal of Pharmacology, 2012, 165, 2127-2139.	2.7	13
90	Regulation of Inflammation-Mediated Chronic Diseases by Botanicals. Advances in Botanical Research, 2012, , 57-132.	0.5	12

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91	Upsides and Downsides of Reactive Oxygen Species for Cancer: The Roles of Reactive Oxygen Species in Tumorigenesis, Prevention, and Therapy. Antioxidants and Redox Signaling, 2012, 16, 1295-1322.	2.5	591
92	Turmeric (Curcuma longa) inhibits inflammatory nuclear factor (NF)â€ÎºB and NFâ€ÎºBâ€regulated gene products and induces death receptors leading to suppressed proliferation, induced chemosensitization, and suppressed osteoclastogenesis. Molecular Nutrition and Food Research, 2012, 56, 454-465.	1.5	103
93	Historical perspectives on tumor necrosis factor and its superfamily: 25 years later, a golden journey. Blood, 2012, 119, 651-665.	0.6	625
94	Discovery of curcumin, a component of golden spice, and its miraculous biological activities. Clinical and Experimental Pharmacology and Physiology, 2012, 39, 283-299.	0.9	637
95	Tocotrienols fight cancer by targeting multiple cell signaling pathways. Genes and Nutrition, 2012, 7, 43-52.	1.2	102
96	Tocotrienols, Inflammation, and Cancer. , 2012, , 209-224.		0
97	Multitargeting by curcumin as revealed by molecular interaction studies. Natural Product Reports, 2011, 28, 1937.	5.2	531
98	Curcumin suppresses proliferation and induces apoptosis in human biliary cancer cells through modulation of multiple cell signaling pathways. Carcinogenesis, 2011, 32, 1372-1380.	1.3	117
99	Identification of Novel Anti-inflammatory Agents from Ayurvedic Medicine for Prevention of Chronic Diseases: “Reverse Pharmacology” and “Bedside to Bench” Approach. Current Drug Targets, 2011, 12, 1595-1653.	1.0	305
100	Chemosensitization of tumors by resveratrol. Annals of the New York Academy of Sciences, 2011, 1215, 150-160.	1.8	263
101	Neuroprotection by Spice-Derived Nutraceuticals: You Are What You Eat!. Molecular Neurobiology, 2011, 44, 142-159.	1.9	125
102	Epigenetic changes induced by curcumin and other natural compounds. Genes and Nutrition, 2011, 6, 93-108.	1.2	294
103	Enhanced Ca²⁺ transport and muscle relaxation in skeletal muscle from sarcolipin-null mice. American Journal of Physiology - Cell Physiology, 2011, 301, C841-C849.	2.1	61
104	Role of nuclear factor-Î²B-mediated inflammatory pathways in cancer-related symptoms and their regulation by nutritional agents. Experimental Biology and Medicine, 2011, 236, 658-671.	1.1	131
105	Dihydroxypentamethoxyflavone Down-Regulates Constitutive and Inducible Signal Transducers and Activators of Transcription-3 through the Induction of Tyrosine Phosphatase SHP-1. Molecular Pharmacology, 2011, 80, 889-899.	1.0	25
106	Bharangin, a Diterpenoid Quinonemethide, Abolishes Constitutive and Inducible Nuclear Factor-ÎºB (NF-ÎºB) Activation by Modifying p65 on Cysteine 38 Residue and Reducing Inhibitor of Nuclear Factor-ÎºB Î± Kinase Activation, Leading to Suppression of NF-ÎºB-Regulated Gene Expression and Sensitization of Tumor Cells to Chemotherapeutic Agents. Molecular Pharmacology, 2011, 80, 769-781.	1.0	28
107	Nimbolide Sensitizes Human Colon Cancer Cells to TRAIL through Reactive Oxygen Species- and ERK-dependent Up-regulation of Death Receptors, p53, and Bax. Journal of Biological Chemistry, 2011, 286, 1134-1146.	1.6	86
108	Regulation of survival, proliferation, invasion, angiogenesis, and metastasis of tumor cells through modulation of inflammatory pathways by nutraceuticals. Cancer and Metastasis Reviews, 2010, 29, 405-434.	2.7	685

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109	Oxidative stress, inflammation, and cancer: How are they linked?. Free Radical Biology and Medicine, 2010, 49, 1603-1616.	1.3	3,991
110	The Catecholaminergic Polymorphic Ventricular Tachycardia Mutation R33Q Disrupts the N-terminal Structural Motif That Regulates Reversible Calsequestrin Polymerization. Journal of Biological Chemistry, 2010, 285, 17188-17196.	1.6	26
111	Modification of Cysteine 179 of IÎºBÎ± Kinase by Nimbolide Leads to Down-regulation of NF-ÎºB-regulated Cell Survival and Proliferative Proteins and Sensitization of Tumor Cells to Chemotherapeutic Agents. Journal of Biological Chemistry, 2010, 285, 35406-35417.	1.6	95
112	An Alternately Charged Residue Cluster at the N-terminal End Forms a Ring System and Dynamically Regulates Calsequestrin Polymerization. Biophysical Journal, 2010, 98, 634a.	0.2	0
113	Heat shock proteins in toxicology: How close and how far?. Life Sciences, 2010, 86, 377-384.	2.0	389
114	Chlorpyrifos induces apoptosis and DNA damage in Drosophila through generation of reactive oxygen species. Ecotoxicology and Environmental Safety, 2010, 73, 1415-1423.	2.9	85
115	Inhibiting NF-ÎºB activation by small molecules as a therapeutic strategy. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2010, 1799, 775-787.	0.9	636
116	Impairment of Diastolic Function by Lack of Frequency-Dependent Myofilament Desensitizationin Rabbit Right Ventricular Hypertrophy. Circulation: Heart Failure, 2009, 2, 472-481.	1.6	34
117	Pulmonary artery banding alters the expression of Ca²⁺transport proteins in the right atrium in rabbits. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 296, H1933-H1939.	1.5	17
118	Frequency dependent myofilament desensitization is impaired in rabbit right ventricular hypertrophy. FASEB Journal, 2009, 23, 953.1.	0.2	0
119	Adverse effect of tannery waste leachates in transgenic Drosophila melanogaster: role of ROS in modulation of Hsp70, oxidative stress and apoptosis. Journal of Applied Toxicology, 2008, 28, 734-748.	1.4	35
120	DNA damage induced by industrial solid waste leachates in Drosophila melanogaster: A mechanistic approach. Environmental and Molecular Mutagenesis, 2008, 49, 206-216.	0.9	23
121	Induction of hsp70, alterations in oxidative stress markers and apoptosis against dichlorvos exposure in transgenic Drosophila melanogaster: Modulation by reactive oxygen species. Biochimica Et Biophysica Acta - General Subjects, 2007, 1770, 1382-1394.	1.1	62
122	Induction of biochemical stress markers and apoptosis in transgenic Drosophila melanogaster against complex chemical mixtures: Role of reactive oxygen species. Chemico-Biological Interactions, 2007, 169, 171-188.	1.7	31
123	Adverse effect of organophosphate compounds, dichlorvos and chlorpyrifos in the reproductive tissues of transgenic Drosophila melanogaster: 70kDa heat shock protein as a marker of cellular damage. Toxicology, 2007, 238, 1-14.	2.0	48
124	Genotoxicity of industrial solid waste leachates inDrosophila melanogaster. Environmental and Molecular Mutagenesis, 2005, 46, 189-197.	0.9	53
125	Comparative toxic potential of market formulation of two organophosphate pesticides in transgenic Drosophila melanogaster (hsp70-lacZ). Cell Biology and Toxicology, 2005, 21, 149-162.	2.4	27
126	Hazardous effect of organophosphate compound, dichlorvos in transgenic Drosophila melanogaster (hsp70-lacZ): Induction of hsp70, anti-oxidant enzymes and inhibition of acetylcholinesterase. Biochimica Et Biophysica Acta - General Subjects, 2005, 1725, 81-92.	1.1	51