Michel Chignard

List of Publications by Year
in descending order

117 papers	9,177 citations	30047 54 h-index	39638 94 g-index
119 all docs	119 docs citations	119 times ranked	9956 citing authors

#	Article	IF	Citations
1	Involvement of Toll-like Receptor 3 in the Immune Response of Lung Epithelial Cells to Double-stranded RNA and Influenza A Virus. Journal of Biological Chemistry, 2005, 280, 5571-5580.	1.6	591
2	Detrimental Contribution of the Toll-Like Receptor (TLR)3 to Influenza A Virusâ€“Induced Acute Pneumonia. PLoS Pathogens, 2006, 2, e53.	2.1	447
3	Platelet-activating factor induces a platelet-dependent bronchoconstriction unrelated to the formation of prostaglandin derivatives. European Journal of Pharmacology, 1980, 65, 185-192.	1.7	403
4	Cutting Edge: Influenza A Virus Activates TLR3-Dependent Inflammatory and RIG-I-Dependent Antiviral Responses in Human Lung Epithelial Cells. Journal of Immunology, 2007, 178, 3368-3372.	0.4	355
5	A critical role for peptidoglycan N-deacetylation inListeriaevasion from the host innate immune system. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 997-1002.	3.3	329
6	BACKGROUND AND PRESENT STATUS OF RESEARCH ON PLATELET-ACTIVATING FACTOR (PAF-ACETHER). Annals of the New York Academy of Sciences, 1981, 370, 119-137.	1.8	323
7	Response of Human Pulmonary Epithelial Cells to Lipopolysaccharide Involves Toll-like Receptor 4 (TLR4)-dependent Signaling Pathways. Journal of Biological Chemistry, 2004, 279, 2712-2718.	1.6	320
8	Cutting Edge: The Immunostimulatory Activity of the Lung Surfactant Protein-A Involves Toll-Like Receptor 4. Journal of Immunology, 2002, 168, 5989-5992.	0.4	305
9	Differences in Patterns of Infection and Inflammation for Corticosteroid Treatment and Chemotherapy in Experimental Invasive Pulmonary Aspergillosis. Infection and Immunity, 2005, 73, 494-503.	1.0	212
10	Leukocyte Elastase Negatively Regulates Stromal Cell-derived Factor-1 (SDF-1)/CXCR4 Binding and Functions by Amino-terminal Processing of SDF-1 and CXCR4. Journal of Biological Chemistry, 2002, 277, 15677-15689.	1.6	189
11	The innate immune response to Aspergillus fumigatus. Microbes and Infection, 2009, 11, 919-927.	1.0	184
12	Differential TLR Recognition of Leptospiral Lipid A and Lipopolysaccharide in Murine and Human Cells. Journal of Immunology, 2005, 175, 6022-6031.	0.4	181
13	Helicobacter pylori Heat Shock Protein 60 Mediates Interleukin-6 Production by Macrophages via a Toll-like Receptor (TLR)-2-, TLR-4-, and Myeloid Differentiation Factor 88-independent Mechanism. Journal of Biological Chemistry, 2004, 279, 245-250.	1.6	151
14	Cutting Edge: Innate Immune Response Triggered by Influenza A Virus Is Negatively Regulated by SOCS1 and SOCS3 through a RIG-I/IFNAR1-Dependent Pathway. Journal of Immunology, 2008, 180, 2034-2038.	0.4	149
15	Lipopolysaccharides fromLegionellaandRhizobiumstimulate mouse bone marrow granulocytes via Toll-like receptor 2. Journal of Cell Science, 2003, 116, 293-302.	1.2	142
16	Pseudomonas aeruginosa LPS or Flagellin Are Sufficient to Activate TLR-Dependent Signaling in Murine Alveolar Macrophages and Airway Epithelial Cells. PLoS ONE, 2009, 4, e7259.	1.1	140
17	Secretory leukocyte proteinase inhibitor is a major leukocyte elastase inhibitor in human neutrophils. Journal of Leukocyte Biology, 1997, 61, 695-702.	1.5	130
18	Proteinase-Activated Receptor-2 and Human Lung Epithelial Cells. American Journal of Respiratory Cell and Molecular Biology, 2003, 28, 339-346.	1.4	122

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19	Pseudomonas aeruginosaElastase Disables Proteinase-Activated Receptor 2 in Respiratory Epithelial Cells. American Journal of Respiratory Cell and Molecular Biology, 2005, 32, 411-419.	1.4	120
20	Specific inhibition of PAF-acether-induced platelet activation by BN 52021 and comparison with the PAF-acether inhibitors kadsurenone and CV 3988. European Journal of Pharmacology, 1986, 123, 197-205.	1.7	119
21	Specific Inhibition of Thrombin-Induced Cell Activation by the Neutrophil Proteinases Elastase, Cathepsin G, and Proteinase 3: Evidence for Distinct Cleavage Sites Within the Aminoterminal Domain of the Thrombin Receptor. Blood, 1997, 89, 1944-1953.	0.6	112
22	Deletion of the Î±-(1,3)-Glucan Synthase Genes Induces a Restructuring of the Conidial Cell Wall Responsible for the Avirulence of Aspergillus fumigatus. PLoS Pathogens, 2013, 9, e1003716.	2.1	110
23	Pseudomonas aeruginosa eradicates Staphylococcus aureus by manipulating the host immunity. Nature Communications, 2014, 5, 5105.	5.8	110
24	Proteolysis of monocyte CD14 by human leukocyte elastase inhibits lipopolysaccharide-mediated cell activation. Journal of Clinical Investigation, 1999, 103, 1039-1046.	3.9	109
25	Toll-like receptor 5 (TLR5), IL-1Î² secretion, and asparagine endopeptidase are critical factors for alveolar macrophage phagocytosis and bacterial killing. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1619-1624.	3.3	108
26	Control of Pseudomonas aeruginosa in the Lung Requires the Recognition of Either Lipopolysaccharide or Flagellin. Journal of Immunology, 2008, 181, 586-592.	0.4	106
27	Involvement of Toll-Like Receptor 2 in Experimental Invasive Pulmonary Aspergillosis. Infection and Immunity, 2005, 73, 5420-5425.	1.0	103
28	Modifying the Protease, Antiprotease Pattern by Elafin Overexpression Protects Mice From Colitis. Gastroenterology, 2011, 140, 1272-1282.	0.6	102
29	Aspergillus fumigatus Induces Innate Immune Responses in Alveolar Macrophages through the MAPK Pathway Independently of TLR2 and TLR4. Journal of Immunology, 2006, 177, 3994-4001.	0.4	99
30	Effect of cycloâ€oxygenase inhibitors and modulators of cyclic AMP formation on lipopolysaccharideâ€induced neutrophil infiltration in mouse lung. British Journal of Pharmacology, 1996, 117, 1792-1796.	2.7	97
31	Neutrophil Elastase Degrades Cystic Fibrosis Transmembrane Conductance Regulator via Calpains and Disables Channel FunctionIn VitroandIn Vivo. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 170-179.	2.5	97
32	TLRs 2 and 4 Are Not Involved in Hypersusceptibility to Acute Pseudomonas aeruginosa Lung Infections. Journal of Immunology, 2005, 175, 3927-3934.	0.4	95
33	Aspergillus fumigatus-induced Interleukin-8 Synthesis by Respiratory Epithelial Cells Is Controlled by the Phosphatidylinositol 3-Kinase, p38 MAPK, and ERK1/2 Pathways and Not by the Toll-like Receptor-MyD88 Pathway. Journal of Biological Chemistry, 2008, 283, 30513-30521.	1.6	90
34	Pseudomonas aeruginosa Type-3 Secretion System Dampens Host Defense by Exploiting the NLRC4-coupled Inflammasome. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 799-811.	2.5	90
35	Galactofuranose attenuates cellular adhesion ofAspergillus fumigatus. Cellular Microbiology, 2009, 11, 1612-1623.	1.1	87
36	Type II Secretion System of Pseudomonas aeruginosa: In Vivo Evidence of a Significant Role in Death Due to Lung Infection. Journal of Infectious Diseases, 2011, 203, 1369-1377.	1.9	87

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37	A Soluble Fucose-Specific Lectin from Aspergillus fumigatus Conidia - Structure, Specificity and Possible Role in Fungal Pathogenicity. PLoS ONE, 2013, 8, e83077.	1.1	87
38	In Vivo Protective Role of Human Group IIA Phospholipase A2against Experimental Anthrax. Journal of Immunology, 2005, 175, 6786-6791.	0.4	77
39	Mycobacterium bovis Bacillus Calmette-GuÃ©rin Vaccination Mobilizes Innate Myeloid-Derived Suppressor Cells Restraining In Vivo T Cell Priming via IL-1Râ€“Dependent Nitric Oxide Production. Journal of Immunology, 2010, 184, 2038-2047.	0.4	77
40	Influenza A Induces the Major Secreted Airway Mucin MUC5AC in a Proteaseâ€“EGFRâ€“Extracellular Regulated Kinaseâ€“Sp1â€“Dependent Pathway. American Journal of Respiratory Cell and Molecular Biology, 2012, 47, 149-157.	1.4	76
41	Nod1 and Nod2 induce CCL5/RANTES through the NFâ€ÎºB pathway. European Journal of Immunology, 2007, 37, 2499-2508.	1.6	75
42	Proteolytic Regulation of the Urokinase Receptor/CD87 on Monocytic Cells by Neutrophil Elastase and Cathepsin G. Journal of Immunology, 2004, 172, 540-549.	0.4	72
43	The Role of Flagellin versus Motility in Acute Lung Disease Caused byPseudomonas aeruginosa. Journal of Infectious Diseases, 2007, 196, 289-296.	1.9	71
44	Human Neutrophil Elastase Proteolytically Activates the Platelet Integrin Î±IIbÎ²3 through Cleavage of the Carboxyl Terminus of the Î±IIb Subunit Heavy Chain. Journal of Biological Chemistry, 1997, 272, 11636-11647.	1.6	70
45	Contribution of the Ade Resistance-Nodulation-Cell Division-Type Efflux Pumps to Fitness and Pathogenesis of Acinetobacter baumannii. MBio, 2016, 7, .	1.8	69
46	Activation of guinea-pig platelets induced by convulxin, a substance extracted from the venom of Crotalus durissus cascavella. European Journal of Pharmacology, 1980, 68, 451-464.	1.7	63
47	Surfactant Protein-A and Phosphatidylglycerol Suppress Type IIA Phospholipase A2 Synthesis via Nuclear Factor-ÎºB. American Journal of Respiratory and Critical Care Medicine, 2003, 168, 692-699.	2.5	62
48	Burkholderia cenocepacia BC2L-C Is a Super Lectin with Dual Specificity and Proinflammatory Activity. PLoS Pathogens, 2011, 7, e1002238.	2.1	61
49	Release of platelet-activating factor (PAF-acether) and 2-lyso PAF-acether from three cell types. Agents and Actions, 1982, 12, 711-713.	0.7	60
50	Effects of rolipram on cyclic AMP levels in alveolar macrophages and lipopolysaccharide-induced inflammation in mouse lung. British Journal of Pharmacology, 1998, 123, 631-636.	2.7	60
51	Non-steroidal anti-inflammatory drugs if combined with anti-histamine and anti-serotonin agents interfere with the bronchial and platelet effects of â€œplatelet-activating factorâ€•(PAF-acether). European Journal of Pharmacology, 1982, 82, 121-130.	1.7	59
52	The Pseudomonas aeruginosa LasB Metalloproteinase Regulates the Human Urokinase-Type Plasminogen Activator Receptor through Domain-Specific Endoproteolysis. Infection and Immunity, 2007, 75, 3848-3858.	1.0	58
53	Dog platelets fail to aggregate when they form aggregating substances upon stimulation with arachidonic acid. European Journal of Pharmacology, 1976, 38, 7-18.	1.7	57
54	Asparagine Endopeptidase Controls Anti-Influenza Virus Immune Responses through TLR7 Activation. PLoS Pathogens, 2012, 8, e1002841.	2.1	55

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55	Inhibitory Effects of Surfactant Protein A on Surfactant Phospholipid Hydrolysis by Secreted Phospholipases A2. Journal of Immunology, 2003, 171, 995-1000.	0.4	51
56	Blockade by metal complexing agents and by catalase of the effects of arachidonic acid on platelets: Relevance to the study of anti-inflammatory mechanisms. European Journal of Pharmacology, 1975, 33, 19-29.	1.7	49
57	Lack of IL-10 synthesis by murine alveolar macrophages upon lipopolysaccharide exposure. Comparison with peritoneal macrophages. Journal of Leukocyte Biology, 2000, 67, 545-552.	1.5	49
58	Bacterial and Host Factors Implicated in Nasal Carriage of Methicillin-Resistant Staphylococcus aureus in Mice. Infection and Immunity, 2005, 73, 1847-1851.	1.0	49
59	Toll-Like Receptors 2 and 4 Contribute to Sepsis-Induced Depletion of Spleen Dendritic Cells. Infection and Immunity, 2009, 77, 5651-5658.	1.0	48
60	Study of Human RIG-I Polymorphisms Identifies Two Variants with an Opposite Impact on the Antiviral Immune Response. PLoS ONE, 2009, 4, e7582.	1.1	48
61	Inhibition of Neutrophil Serine Proteinases by Suramin. Journal of Biological Chemistry, 1997, 272, 9950-9955.	1.6	47
62	Role of Toll-like receptors in lung innate defense against invasive aspergillosis. Distinct impact in immunocompetent and immunocompromized hosts. Clinical Immunology, 2007, 124, 238-243.	1.4	47
63	Combined Tlr2 and Tlr4 Deficiency Increases Radiation-Induced Pulmonary Fibrosis in Mice. International Journal of Radiation Oncology Biology Physics, 2010, 77, 1198-1205.	0.4	47
64	Cooperation Between Platelets and Neutrophils for Paf-Acether (Platelet-Activating Factor) Formation. Journal of Leukocyte Biology, 1990, 47, 234-243.	1.5	43
65	Inhibition by sulphinpyrazone of the platelet-dependent bronchoconstriction due to platelet-activating factor (PAF-acether) in the guinea-pig. European Journal of Pharmacology, 1982, 78, 71-79.	1.7	42
66	The human airway trypsin-like protease modulates the urokinase receptor (uPAR, CD87) structure and functions. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 292, L1263-L1272.	1.3	39
67	Murine splenocytes produce inflammatory cytokines in a MyD88-dependent response to Bacillus anthracis spores. Cellular Microbiology, 2007, 9, 502-513.	1.1	39
68	Lung protease/anti-protease network and modulation of mucus production and surfactant activity. Biochimie, 2010, 92, 1608-1617.	1.3	36
69	Human Bronchial Epithelial Cells Inhibit Aspergillus fumigatus Germination of Extracellular Conidia via FleA Recognition. Scientific Reports, 2018, 8, 15699.	1.6	35
70	Proteolysis of thrombospondin during cathepsin-G-induced platelet aggregation: functional role of the 165-kDa carboxy-terminal fragment. FEBS Letters, 1996, 386, 82-86.	1.3	34
71	The phospholipase C/protein kinase C pathway is involved in cathepsin G-induced human platelet activation: comparison with thrombin. Biochemical Journal, 1996, 313, 401-408.	1.7	33
72	IRAP+ endosomes restrict TLR9 activation and signaling. Nature Immunology, 2017, 18, 509-518.	7.0	33

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73	Toll-Like Receptor 9 Deficiency Protects Mice against Pseudomonas aeruginosa Lung Infection. PLoS ONE, 2014, 9, e90466.	1.1	30
74	Synthesis of thromboxane A2 by non-aggregating dog platelets challenged with arachidonic acid or with prostaglandin H2. Prostaglandins, 1977, 14, 222-240.	1.2	29
75	Convulxin-induced activation of intact and of thrombin-degranulated rabbit platelets: Specific crossed desensitisation with collagen. European Journal of Pharmacology, 1983, 92, 57-68.	1.7	29
76	A Crucial Role of Flagellin in the Induction of Airway Mucus Production by Pseudomonas aeruginosa. PLoS ONE, 2012, 7, e39888.	1.1	29
77	Protective Role of LGP2 in Influenza Virus Pathogenesis. Journal of Infectious Diseases, 2014, 210, 214-223.	1.9	29
78	Staphylococcus aureusAdenosine Inhibits sPLA2-IIAâ€“Mediated Host Killing in the Airways. Journal of Immunology, 2015, 194, 5312-5319.	0.4	29
79	Inhibition by recombinant SLPI and halfâ€SLPI (Asn⁵⁵â€Ala¹⁰⁷) of elastase and cathepsin G activities: consequence for neutrophilâ€platelet cooperation. British Journal of Pharmacology, 1993, 108, 1100-1106.	2.7	28
80	Interference of bromophenacyl bromide with platelet phospholipase A2 activity induced by thrombin and by the ionophore A23187. Thrombosis Research, 1980, 17, 91-102.	0.8	27
81	Neutrophil and Pathogen Proteinases versus Proteinase-Activated Receptor-2 Lung Epithelial Cells. American Journal of Respiratory Cell and Molecular Biology, 2006, 34, 394-398.	1.4	27
82	Paf-acether formation and arachidonic acid freeing from platelet ether-linked glyceryl-phosphorylcholine. Biochemical and Biophysical Research Communications, 1984, 124, 637-643.	1.0	25
83	Surfactant Protein A Inhibits Lipopolysaccharide-InducedIn VivoProduction of Interleukin-10 by Mononuclear Phagocytes during Lung Inflammation. American Journal of Respiratory Cell and Molecular Biology, 2003, 28, 347-353.	1.4	25
84	CHAC1 Is Differentially Expressed in Normal and Cystic Fibrosis Bronchial Epithelial Cells and Regulates the Inflammatory Response Induced by Pseudomonas aeruginosa. Frontiers in Immunology, 2018, 9, 2823.	2.2	25
85	Cytosolic phospholipase A2Î± enhances mouse mortality induced by Pseudomonas aeruginosa pulmonary infection via interleukin 6. Biochimie, 2014, 107, 95-104.	1.3	24
86	Interference of antiâ€inflammatory and antiâ€asthmatic drugs with neutrophilâ€mediated platelet activation: singularity of azelastine. British Journal of Pharmacology, 1991, 103, 1435-1440.	2.7	22
87	Surfactant Protein A Suppresses Lipopolysaccharide-Induced IL-10 Production by Murine Macrophages. Journal of Immunology, 2001, 166, 6376-6382.	0.4	22
88	TLR 5, but neither TLR2 nor TLR4, is involved in lung epithelial cell response toBurkholderia cenocepacia. FEMS Immunology and Medical Microbiology, 2008, 54, 37-44.	2.7	22
89	Lack of MyD88 Protects the Immunodeficient Host Against Fatal Lung Inflammation Triggered by the Opportunistic Bacteria Burkholderia cenocepacia. Journal of Immunology, 2009, 183, 670-676.	0.4	22
90	Normal and Cystic Fibrosis Human Bronchial Epithelial Cells Infected with Pseudomonas aeruginosa Exhibit Distinct Gene Activation Patterns. PLoS ONE, 2015, 10, e0140979.	1.1	22

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91	Plasmin cleaves the juxtamembrane domain and releases truncated species of the urokinase receptor (CD87) from human bronchial epithelial cells. FEBS Letters, 2004, 574, 89-94.	1.3	21
92	Targeting host calpain proteases decreases influenza A virus infection. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L689-L699.	1.3	17
93	Effects of PAF-acether and structural analogues on platelet activation and bronchoconstriction in guinea-pigs. European Journal of Pharmacology, 1986, 131, 179-188.	1.7	16
94	L8027 and 1-nonyl-imidazole as non-selective inhibitors of thromboxane synthesis. European Journal of Pharmacology, 1979, 60, 287-297.	1.7	15
95	Phosphoinositide 3-kinase inhibition reverses platelet aggregation triggered by the combination of the neutrophil proteinases elastase and cathepsin G without impairing Î±IIbÎ²3integrin activation. FEBS Letters, 2000, 484, 184-188.	1.3	14
96	Neutrophil DNA Contributes to the Antielastase Barrier during Acute Lung Inflammation. American Journal of Respiratory Cell and Molecular Biology, 2003, 28, 746-753.	1.4	14
97	Proteinases and Cytokines in Neutrophil and Platelet Interactions In Vitro. Possible Relevance to the Adult Respiratory Distress Syndrome. Annals of the New York Academy of Sciences, 1994, 725, 309-322.	1.8	12
98	Activation and damage of cultured airway epithelial cells by human elastase and cathepsin G. European Journal of Pharmacology - Environmental Toxicology and Pharmacology Section, 1992, 228, 213-218.	0.8	11
99	Cytosolic phospholipase A2Î± mediates Pseudomonas aeruginosa LPS-induced airway constriction of CFTR -/- mice. Respiratory Research, 2010, 11, 49.	1.4	11
100	Combined activation of platelets by cathepsin G and platelet activating factor, two neutrophil-derived agonists. British Journal of Haematology, 1992, 80, 205-213.	1.2	10
101	Plasma antiproteinase screen and neutrophil-mediated platelet activation. A major role played by Î±1 antitrypsin. Biochimica Et Biophysica Acta - Molecular Cell Research, 1994, 1224, 433-440.	1.9	10
102	Neutrophil-mediated platelet activation: A key role for serine proteinases. General Pharmacology, 1995, 26, 905-910.	0.7	10
103	A role for 12R-lipoxygenase in MUC5AC expression by respiratory epithelial cells. European Respiratory Journal, 2012, 40, 714-723.	3.1	10
104	Flagellin concentrations in expectorations from cystic fibrosis patients. BMC Pulmonary Medicine, 2014, 14, 100.	0.8	9
105	Platelet effects of arachidonic acid in dog blood. I. Lack of involvement of cyclo-oxygenase in the in vivo situation. Prostaglandins, 1977, 14, 909-927.	1.2	6
106	Platelet effects of arachidonic acid in dog blood. II. Involvement of cyclo-oxygenase in the in vitro situation. Prostaglandins, 1977, 14, 929-946.	1.2	6
107	Modulation by superoxide anions of neutrophil-mediated platelet activation. Biochemical Pharmacology, 1994, 47, 1401-1404.	2.0	6
108	Inhibition of neutrophil-endothelial cell adhesion by a neutrophil product, cathepsin G. Journal of Leukocyte Biology, 1996, 59, 855-863.	1.5	5

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109	Role of PAF-Acether and Related Ether-Lipid Metabolism in Platelets. Advances in Experimental Medicine and Biology, 1985, 192, 309-326.	0.8	3
110	Innate Defense against Aspergillus: the Phagocyte. , 0, , 229-238.		3
111	Effect of PAF-acether antagonists, RP 48740 and BN 52021, on platelet activation and bronchoconstruction induced by PAF-acether and structural analogues in guinea-pig. Prostaglandins, 1985, 30, 699.	1.2	2
112	Increased Proteolytic Activity at Mucosal Surfaces in IBD Patients: A Possible Role for Elafin. Gastroenterology, 2011, 140, S-695.	0.6	2
113	Why do some Î² adrenergic agonists inhibit generation of thromboxane A2 in incubates of platelets with arachidonic acid?. Biochemical Pharmacology, 1978, 27, 1603-1606.	2.0	1
114	Inhibition by human leukocyte elastase of neutrophil-mediated platelet activation. European Journal of Pharmacology - Environmental Toxicology and Pharmacology Section, 1993, 248, 151-155.	0.8	1
115	Elafin Antiprotease Prevents the Development of Colitis in Mice by Inhibiting Two Neutrophil Serine Proteases: Elastase and Proteinase 3. Gastroenterology, 2011, 140, S-518.	0.6	1
116	Advances in platelet-activating factor research. Trends in Pharmacological Sciences, 1990, 11, 345-346.	4.0	0
117	M1780 Human Intestinal Epithelial Cells: Actors of the Proteolytic Balance of Intestinal Mucosa. Gastroenterology, 2010, 138, S-417-S-418.	0.6	0