

Ashok Kumar

List of Publications by Year in descending order

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347
papers

11,108
citations

30070

54
h-index

45317

90
g-index

355
all docs

355
docs citations

355
times ranked

12054
citing authors

#	ARTICLE	IF	CITATIONS
1	Nuclear factor- κ B: its role in health and disease. <i>Journal of Molecular Medicine</i> , 2004, 82, 434-48.	3.9	834
2	Nuclear factor- κ B signaling in skeletal muscle atrophy. <i>Journal of Molecular Medicine</i> , 2008, 86, 1113-1126.	3.9	338
3	Pseudo-spectral dipole oscillator strengths and dipole-dipole and triple-dipole dispersion energy coefficients for HF, HCl, HBr, He, Ne, Ar, Kr and Xe. <i>Molecular Physics</i> , 1985, 54, 823-833.	1.7	298
4	Sanguinarine (Pseudocheleerythrine) Is a Potent Inhibitor of NF- κ B Activation, κ B Phosphorylation, and Degradation. <i>Journal of Biological Chemistry</i> , 1997, 272, 30129-30134.	3.4	257
5	Mechanical stress activates the nuclear factor- κ B pathway in skeletal muscle fibers: a possible role in Duchenne muscular dystrophy. <i>FASEB Journal</i> , 2003, 17, 386-396.	0.5	244
6	Curcumin (Diferuloylmethane) Inhibition of Tumor Necrosis Factor (TNF)-Mediated Adhesion of Monocytes to Endothelial Cells by Suppression of Cell Surface Expression of Adhesion Molecules and of Nuclear Factor- κ B Activation. <i>Biochemical Pharmacology</i> , 1998, 55, 775-783.	4.4	234
7	The TWEAK-Fn14 system is a critical regulator of denervation-induced skeletal muscle atrophy in mice. <i>Journal of Cell Biology</i> , 2010, 188, 833-849.	5.2	205
8	TNF-related weak inducer of apoptosis (TWEAK) is a potent skeletal muscle-wasting cytokine. <i>FASEB Journal</i> , 2007, 21, 1857-1869.	0.5	204
9	Targeted ablation of TRAF6 inhibits skeletal muscle wasting in mice. <i>Journal of Cell Biology</i> , 2010, 191, 1395-1411.	5.2	192
10	Signaling Mechanisms in Mammalian Myoblast Fusion. <i>Science Signaling</i> , 2013, 6, re2.	3.6	174
11	Emodin (3-methyl-1,6,8-trihydroxyanthraquinone) inhibits TNF-induced NF- κ B activation, κ B degradation, and expression of cell surface adhesion proteins in human vascular endothelial cells. <i>Oncogene</i> , 1998, 17, 913-918.	5.9	160
12	Loss of dystrophin causes aberrant mechanotransduction in skeletal muscle fibers. <i>FASEB Journal</i> , 2004, 18, 102-113.	0.5	141
13	Matrix metalloproteinase-9 inhibition ameliorates pathogenesis and improves skeletal muscle regeneration in muscular dystrophy. <i>Human Molecular Genetics</i> , 2009, 18, 2584-2598.	2.9	141
14	Tumor Necrosis Factor-like Weak Inducer of Apoptosis Inhibits Skeletal Myogenesis through Sustained Activation of Nuclear Factor- κ B and Degradation of MyoD Protein. <i>Journal of Biological Chemistry</i> , 2006, 281, 10327-10336.	3.4	139
15	Emerging roles of ER stress and unfolded protein response pathways in skeletal muscle health and disease. <i>Journal of Cellular Physiology</i> , 2018, 233, 67-78.	4.1	135
16	Sphingosine-1-phosphate lyase downregulation promotes colon carcinogenesis through STAT3-activated microRNAs. <i>Journal of Clinical Investigation</i> , 2014, 124, 5368-5384.	8.2	130
17	The E3 Ubiquitin Ligase TRAF6 Intercedes in Starvation-Induced Skeletal Muscle Atrophy through Multiple Mechanisms. <i>Molecular and Cellular Biology</i> , 2012, 32, 1248-1259.	2.3	126
18	Wasting mechanisms in muscular dystrophy. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 2266-2279.	2.8	115

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19	Elucidating the mechanisms of Temozolomide resistance in gliomas and the strategies to overcome the resistance.. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2021, 1876, 1886-16.	7.4	111
20	Dlk1 Is Necessary for Proper Skeletal Muscle Development and Regeneration. <i>PLoS ONE</i> , 2010, 5, e15055.	2.5	108
21	Cyclic mechanical strain inhibits skeletal myogenesis through activation of focal adhesion kinase, Rac1 GTPase, and NF- κ B transcription factor. <i>FASEB Journal</i> , 2004, 18, 1524-1535.	0.5	105
22	Tumor Necrosis Factor-related Weak Inducer of Apoptosis Augments Matrix Metalloproteinase 9 (MMP-9) Production in Skeletal Muscle through the Activation of Nuclear Factor- κ B-inducing Kinase and p38 Mitogen-activated Protein Kinase. <i>Journal of Biological Chemistry</i> , 2009, 284, 4439-4450.	3.4	105
23	<sc>ER</sc> stress in skeletal muscle remodeling and myopathies. <i>FEBS Journal</i> , 2019, 286, 379-398.	4.7	96
24	Regulation of phosphatidylinositol 3-kinase (PI3K)/Akt and nuclear factor-kappa B signaling pathways in dystrophin-deficient skeletal muscle in response to mechanical stretch. <i>Journal of Cellular Physiology</i> , 2006, 208, 575-585.	4.1	92
25	A Four-Switch Single-Stage Single-Phase Buck-Boost Inverter. <i>IEEE Transactions on Power Electronics</i> , 2017, 32, 5282-5292.	7.9	90
26	Mechanical stretch activates nuclear factor- κ B, activator protein-1, and mitogen-activated protein kinases in lung parenchyma: implications in asthma. <i>FASEB Journal</i> , 2003, 17, 1800-1811.	0.5	89
27	The sphingolipid degradation product trans-2-hexadecenal induces cytoskeletal reorganization and apoptosis in a JNK-dependent manner. <i>Cellular Signalling</i> , 2011, 23, 1144-1152.	3.6	85
28	TWEAK and TRAF6 regulate skeletal muscle atrophy. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2012, 15, 233-239.	2.5	85
29	Distinct Signaling Pathways Are Activated in Response to Mechanical Stress Applied Axially and Transversely to Skeletal Muscle Fibers. <i>Journal of Biological Chemistry</i> , 2002, 277, 46493-46503.	3.4	84
30	Dipole oscillator strength properties and dispersion energies for acetylene and benzene. <i>Molecular Physics</i> , 1992, 75, 311-324.	1.7	76
31	Fibroblast Growth Factor Inducible 14 (Fn14) Is Required for the Expression of Myogenic Regulatory Factors and Differentiation of Myoblasts into Myotubes. <i>Journal of Biological Chemistry</i> , 2007, 282, 15000-15010.	3.4	76
32	Tumor Necrosis Factor- α Regulates Distinct Molecular Pathways and Gene Networks in Cultured Skeletal Muscle Cells. <i>PLoS ONE</i> , 2010, 5, e13262.	2.5	76
33	CCAAT/Enhancer-binding Protein and Activator Protein-1 Transcription Factors Regulate the Expression of Interleukin-8 through the Mitogen-activated Protein Kinase Pathways in Response to Mechanical Stretch of Human Airway Smooth Muscle Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 18868-18876.	3.4	74
34	Genomic Profiling of Messenger RNAs and MicroRNAs Reveals Potential Mechanisms of TWEAK-Induced Skeletal Muscle Wasting in Mice. <i>PLoS ONE</i> , 2010, 5, e8760.	2.5	73
35	TWEAK causes myotube atrophy through coordinated activation of ubiquitin-proteasome system, autophagy, and caspases. <i>Journal of Cellular Physiology</i> , 2012, 227, 1042-1051.	4.1	72
36	Prevention of DoS Attacks in VANET. <i>Wireless Personal Communications</i> , 2013, 73, 95-126.	2.7	72

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37	Reliable isotropic and anisotropic dipolar dispersion energies, evaluated using constrained dipole oscillator strength techniques, with application to interactions involving H ₂ , N ₂ , and the rare gases. <i>International Journal of Quantum Chemistry</i> , 1990, 38, 501-520.	2.0	71
38	Matrix Metalloproteinase Inhibitor Batimastat Alleviates Pathology and Improves Skeletal Muscle Function in Dystrophin-Deficient mdx Mice. <i>American Journal of Pathology</i> , 2010, 177, 248-260.	3.8	71
39	TRAF6 coordinates the activation of autophagy and ubiquitin-proteasome systems in atrophying skeletal muscle. <i>Autophagy</i> , 2011, 7, 555-556.	9.1	70
40	Context-aware scheduling in Fog computing: A survey, taxonomy, challenges and future directions. <i>Journal of Network and Computer Applications</i> , 2021, 180, 103008.	9.1	69
41	Improved DV-Hop localization algorithm using teaching learning based optimization for wireless sensor networks. <i>Telecommunication Systems</i> , 2018, 67, 163-178.	2.5	67
42	Ripple-Free Input Current High Voltage Gain DC-DC Converters With Coupled Inductors. <i>IEEE Transactions on Power Electronics</i> , 2019, 34, 3418-3428.	7.9	67
43	Chemopreventive sphingadienes downregulate Wnt signaling via a PP2A/Akt/GSK3 β pathway in colon cancer. <i>Carcinogenesis</i> , 2012, 33, 1726-1735.	2.8	65
44	Matrix Metalloproteinase-9 Inhibition Improves Proliferation and Engraftment of Myogenic Cells in Dystrophic Muscle of mdx Mice. <i>PLoS ONE</i> , 2013, 8, e72121.	2.5	65
45	Dipole properties, dispersion energy coefficients, and integrated oscillator strengths for SF ₆ . <i>Journal of Chemical Physics</i> , 1985, 83, 70-77.	3.0	64
46	Lyase to live by: Sphingosine phosphate lyase as a therapeutic target. <i>Expert Opinion on Therapeutic Targets</i> , 2009, 13, 1013-1025.	3.4	64
47	Sphingosine-1-Phosphate Enhances Satellite Cell Activation in Dystrophic Muscles through a S1PR2/STAT3 Signaling Pathway. <i>PLoS ONE</i> , 2012, 7, e37218.	2.5	64
48	Elevated levels of active matrix metalloproteinase-9 cause hypertrophy in skeletal muscle of normal and dystrophin-deficient mdx mice. <i>Human Molecular Genetics</i> , 2011, 20, 4345-4359.	2.9	63
49	The PERK arm of the unfolded protein response regulates satellite cell-mediated skeletal muscle regeneration. <i>ELife</i> , 2017, 6, .	6.0	63
50	TNF-Like Weak Inducer of Apoptosis (TWEAK) Activates Proinflammatory Signaling Pathways and Gene Expression through the Activation of TGF- β -Activated Kinase 1. <i>Journal of Immunology</i> , 2009, 182, 2439-2448.	0.8	62
51	Role of nonoperative treatment in managing degenerative tears of the medial meniscus posterior root. <i>Journal of Orthopaedics and Traumatology</i> , 2013, 14, 193-199.	2.3	62
52	Isolation, Culturing, and Differentiation of Primary Myoblasts from Skeletal Muscle of Adult Mice. <i>Bio-protocol</i> , 2017, 7, .	0.4	60
53	Physiological Biomimetic Culture System for Pig and Human Heart Slices. <i>Circulation Research</i> , 2019, 125, 628-642.	4.5	60
54	Regulatory circuitry of TWEAK-Fn14 system and PGC-1 α in skeletal muscle atrophy program. <i>FASEB Journal</i> , 2014, 28, 1398-1411.	0.5	59

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55	Osteopontin-Stimulated Expression of Matrix Metalloproteinase-9 Causes Cardiomyopathy in the mdx Model of Duchenne Muscular Dystrophy. <i>Journal of Immunology</i> , 2011, 187, 2723-2731.	0.8	57
56	TRAF6 regulates satellite stem cell self-renewal and function during regenerative myogenesis. <i>Journal of Clinical Investigation</i> , 2015, 126, 151-168.	8.2	57
57	TAK1 modulates satellite stem cell homeostasis and skeletal muscle repair. <i>Nature Communications</i> , 2015, 6, 10123.	12.8	56
58	A novel long non-coding RNA Myolinc regulates myogenesis through TDP-43 and Filip1. <i>Journal of Molecular Cell Biology</i> , 2018, 10, 102-117.	3.3	56
59	Human immunodeficiency virus-1-tat induces matrix metalloproteinase-9 in monocytes through protein tyrosine phosphatase-mediated activation of nuclear transcription factor NF- κ B. <i>FEBS Letters</i> , 1999, 462, 140-144.	2.8	53
60	Tumor Necrosis Factor- α Augments Matrix Metalloproteinase-9 Production in Skeletal Muscle Cells through the Activation of Transforming Growth Factor- β -activated Kinase 1 (TAK1)-dependent Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2007, 282, 35113-35124.	3.4	53
61	Genetic Ablation of TWEAK Augments Regeneration and Post-Injury Growth of Skeletal Muscle in Mice. <i>American Journal of Pathology</i> , 2010, 177, 1732-1742.	3.8	53
62	TWEAK/Fn14 Signaling Axis Mediates Skeletal Muscle Atrophy and Metabolic Dysfunction. <i>Frontiers in Immunology</i> , 2014, 5, 18.	4.8	53
63	Noncoding RNAs in the regulation of skeletal muscle biology in health and disease. <i>Journal of Molecular Medicine</i> , 2016, 94, 853-866.	3.9	53
64	Reliable isotropic and anisotropic dipole properties, and dipolar dispersion energy coefficients, for CO evaluated using constrained dipole oscillator strength techniques. <i>Chemical Physics</i> , 1994, 189, 467-477.	1.9	50
65	Differences in Osmoregulation in Brassica species. <i>Annals of Botany</i> , 1984, 54, 537-542.	2.9	49
66	The TWEAK-Fn14 pathway: A potent regulator of skeletal muscle biology in health and disease. <i>Cytokine and Growth Factor Reviews</i> , 2014, 25, 215-225.	7.2	49
67	Coronavirus disease 2019 and the pancreas. <i>Pancreatology</i> , 2020, 20, 1567-1575.	1.1	49
68	Reliable anisotropic dipole properties, and dispersion energy coefficients, for O ₂ evaluated using constrained dipole oscillator strength techniques. <i>Journal of Chemical Physics</i> , 1996, 105, 4927-4937.	3.0	48
69	Therapeutic potential of matrix metalloproteinases in Duchenne muscular dystrophy. <i>Frontiers in Cell and Developmental Biology</i> , 2014, 2, 11.	3.7	47
70	MyD88 promotes myoblast fusion in a cell-autonomous manner. <i>Nature Communications</i> , 2017, 8, 1624.	12.8	46
71	Feasibility of telemedicine in maintaining follow-up of orthopaedic patients and their satisfaction: A preliminary study. <i>Journal of Clinical Orthopaedics and Trauma</i> , 2020, 11, S704-S710.	1.5	46
72	PERK regulates skeletal muscle mass and contractile function in adult mice. <i>FASEB Journal</i> , 2019, 33, 1946-1962.	0.5	45

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73	Pregnancy-associated Plasma Protein-A Regulates Myoblast Proliferation and Differentiation through an Insulin-like Growth Factor-dependent Mechanism. <i>Journal of Biological Chemistry</i> , 2005, 280, 37782-37789.	3.4	42
74	Evaluation of pain in bilateral total knee replacement with and without tourniquet; a prospective randomized control trial. <i>Journal of Clinical Orthopaedics and Trauma</i> , 2015, 6, 85-88.	1.5	42
75	Dendritic cell sphingosine-1-phosphate lyase regulates thymic egress. <i>Journal of Experimental Medicine</i> , 2016, 213, 2773-2791.	8.5	41
76	Therapeutic targeting of signaling pathways in muscular dystrophy. <i>Journal of Molecular Medicine</i> , 2010, 88, 155-166.	3.9	40
77	Sphingosine-1-phosphate lyase expression in embryonic and adult murine tissues. <i>Journal of Lipid Research</i> , 2012, 53, 1920-1931.	4.2	40
78	ER Stress and Unfolded Protein Response in Cancer Cachexia. <i>Cancers</i> , 2019, 11, 1929.	3.7	40
79	Functional and radiological outcome after delayed fixation of femoral neck fractures in pediatric patients. <i>Journal of Orthopaedics and Traumatology</i> , 2009, 10, 211-216.	2.3	39
80	Transforming Growth Factor- β -activated Kinase 1 Is an Essential Regulator of Myogenic Differentiation. <i>Journal of Biological Chemistry</i> , 2010, 285, 6401-6411.	3.4	38
81	TAK1 regulates skeletal muscle mass and mitochondrial function. <i>JCI Insight</i> , 2018, 3, .	5.0	38
82	Implementation of stacking based ARIMA model for prediction of Covid-19 cases in India. <i>Journal of Biomedical Informatics</i> , 2021, 121, 103887.	4.3	38
83	Constrained anisotropic dipole oscillator strength distribution techniques, and reliable results for anisotropic and isotropic dipole molecular properties, with applications to H ₂ and N ₂ . <i>Theoretica Chimica Acta</i> , 1992, 82, 131-152.	0.8	37
84	The Toll-Like Receptor/MyD88/XBP1 Signaling Axis Mediates Skeletal Muscle Wasting during Cancer Cachexia. <i>Molecular and Cellular Biology</i> , 2019, 39, .	2.3	37
85	Proinflammatory Cytokine Tumor Necrosis Factor (TNF)-like Weak Inducer of Apoptosis (TWEAK) Suppresses Satellite Cell Self-renewal through Inversely Modulating Notch and NF- κ B Signaling Pathways. <i>Journal of Biological Chemistry</i> , 2013, 288, 35159-35169.	3.4	36
86	COMPACT PLANAR MONOPOLE UWB ANTENNA WITH QUADRUPLE BAND-NOTCHED CHARACTERISTICS. <i>Progress in Electromagnetics Research C</i> , 2014, 47, 29-36.	0.9	35
87	Energy storage properties of double perovskites Gd ₂ NiMnO ₆ for electrochemical supercapacitor application. <i>Solid State Sciences</i> , 2020, 105, 106252.	3.2	34
88	Pseudo-spectral dipole oscillator-strength distributions for SO ₂ , CS ₂ and OCS and values of some related dipole-dipole and triple-dipole dispersion energy constants. <i>Chemical Physics</i> , 1984, 91, 411-418.	1.9	33
89	Transgenic Overexpression of Pregnancy-Associated Plasma Protein-A Increases the Somatic Growth and Skeletal Muscle Mass in Mice. <i>Endocrinology</i> , 2007, 148, 6176-6185.	2.8	33
90	Fe(ⁱⁱⁱ) induced structural, optical, and dielectric behavior of cetyltrimethyl ammonium bromide stabilized strontium stannate nanoparticles synthesized by a facile wet chemistry route. <i>RSC Advances</i> , 2015, 5, 17202-17209.	3.6	33

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91	Modified Energy-Efficient Range-Free Localization Using Teachingâ€“Learning-Based Optimization for Wireless Sensor Networks. IETE Journal of Research, 2018, 64, 124-138.	2.6	33
92	Dipole oscillator strength distributions with improved high-energy behavior: Dipole sum rules and dispersion coefficients for Ne, Ar, Kr, and Xe revisited. Journal of Chemical Physics, 2010, 132, 074301.	3.0	32
93	Frequency Domain Analysis and Optimal Design of Isolated Bidirectional Series Resonant Converter. IEEE Transactions on Industry Applications, 2018, 54, 356-366.	4.9	32
94	Dual wideband circular polarized CPW-fed strip and slots loaded compact square slot antenna for wireless and satellite applications. AEU - International Journal of Electronics and Communications, 2019, 108, 181-188.	2.9	32
95	Effect of prolactin on nitric oxide and interleukin-1 production of murine peritoneal macrophages: Role of Ca ²⁺ and protein kinase C. International Journal of Immunopharmacology, 1997, 19, 129-133.	1.1	31
96	Inhibition of mechanosensitive cation channels inhibits myogenic differentiation by suppressing the expression of myogenic regulatory factors and caspaseâ€“3 activity. FASEB Journal, 2005, 19, 1986-1997.	0.5	31
97	Hydrothermal synthesis and electrochemical performance of nanostructured cobalt free La ₂ CuMnO ₆ . Solid State Sciences, 2019, 95, 105927.	3.2	31
98	Facile wet chemical synthesis and electrochemical behavior of La ₂ FeCoO ₆ nano-crystallites. Materials Science in Semiconductor Processing, 2019, 99, 8-13.	4.0	31
99	Excitatory effects of muscarine on septohippocampal neurons: involvement of M3 receptors. Brain Research, 1998, 805, 220-233.	2.2	30
100	Reciprocal Interaction between TRAF6 and Notch Signaling Regulates Adult Myofiber Regeneration upon Injury. Molecular and Cellular Biology, 2012, 32, 4833-4845.	2.3	30
101	TWEAK promotes exercise intolerance by decreasing skeletal muscle oxidative phosphorylation capacity. Skeletal Muscle, 2013, 3, 18.	4.2	30
102	DNA Methyltransferase 3a and Mitogen-activated Protein Kinase Signaling Regulate the Expression of Fibroblast Growth Factor-inducible 14 (Fn14) during Denervation-induced Skeletal Muscle Atrophy. Journal of Biological Chemistry, 2014, 289, 19985-19999.	3.4	30
103	Miniaturized wideband dual linearly and circularly polarized printed square slot antenna for multiradio wireless systems. AEU - International Journal of Electronics and Communications, 2018, 88, 44-51.	2.9	30
104	Facile wet chemical synthesis of Er ³⁺ /Yb ³⁺ co-doped BaSnO ₃ nano-crystallites for dye-sensitized solar cell application. Materials Science in Semiconductor Processing, 2018, 83, 83-88.	4.0	30
105	Electrochemical behavior of oxygen-deficient double perovskite, Ba ₂ FeCoO _{6-Î´} , synthesized by facile wet chemical process. Ceramics International, 2019, 45, 14105-14110.	4.8	30
106	Midday Drop of Leaf Water Content Related to Drought Tolerance in Snap Bean (<i>Phaseolus vulgaris</i> L.). Plant Production Science, 2005, 8, 465-467.	2.0	29
107	Proteinâ€“DNA array-based identification of transcription factor activities differentially regulated in skeletal muscle of normal and dystrophin-deficient mdx mice. Molecular and Cellular Biochemistry, 2008, 312, 17-24.	3.1	29
108	The TWEAKâ€“Fn14 dyad is involved in age-associated pathological changes in skeletal muscle. Biochemical and Biophysical Research Communications, 2014, 446, 1219-1224.	2.1	29

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109	Fuzzy logic based 3D localization in wireless sensor networks using invasive weed and bacterial foraging optimization. <i>Telecommunication Systems</i> , 2018, 67, 149-162.	2.5	29
110	Perioperative Anxiety and Stress in Children Undergoing Congenital Cardiac Surgery and Their Parents: Effect of Brief Interventionâ€”A Randomized Control Trial. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019, 33, 1244-1250.	1.3	29
111	Distinct roles of TRAF6 at early and late stages of muscle pathology in the mdx model of Duchenne muscular dystrophy. <i>Human Molecular Genetics</i> , 2014, 23, 1492-1505.	2.9	28
112	Microstructure and electrochemical performance of La ₂ ZnMnO ₆ nanoflakes synthesized by facile hydrothermal route. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	28
113	A systematic review on task scheduling in Fog computing: Taxonomy, tools, challenges, and future directions. <i>Concurrency Computation Practice and Experience</i> , 2021, 33, e6432.	2.2	28
114	The use of coherent phase control of multiphoton ionization to measure the refractive indices of H ₂ and Ar between 1100 and 1150 Å.... <i>Journal of Chemical Physics</i> , 1993, 98, 9481-9486.	3.0	27
115	Effect of Tumor Growth on the Blastogenic Response of Splenocytes: A Role of Macrophage-Derived Nitric Oxide. <i>Immunological Investigations</i> , 1996, 25, 413-423.	2.0	27
116	Role of Sphingosine-1-Phosphate in Mast Cell Functions and Asthma and Its Regulation by Non-Coding RNA. <i>Frontiers in Immunology</i> , 2017, 8, 587.	4.8	26
117	TRAF3IP2 mediates TWEAK/TWEAKR-induced pro-fibrotic responses in cultured cardiac fibroblasts and the heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 121, 107-123.	1.9	26
118	Dipole oscillator strength properties and dispersion energies for Cl ₂ . <i>Molecular Physics</i> , 2002, 100, 3271-3279.	1.7	25
119	Assessing Drought Tolerance of Snap Bean (<i>Phaseolus Vulgaris</i>) From Genotypic Differences In Leaf Water Relations, Shoot Growth and Photosynthetic Parameters. <i>Plant Production Science</i> , 2007, 10, 28-35.	2.0	25
120	The sphingolipid degradation product trans-2-hexadecenal forms adducts with DNA. <i>Biochemical and Biophysical Research Communications</i> , 2012, 424, 18-21.	2.1	25
121	An offset CPW-fed triple-band circularly polarized printed antenna for multiband wireless applications. <i>AEU - International Journal of Electronics and Communications</i> , 2018, 86, 133-141.	2.9	25
122	Toll-like receptor signalling in regenerative myogenesis: friend and foe. <i>Journal of Pathology</i> , 2016, 239, 125-128.	4.5	24
123	A compact printed multistubs loaded resonator rectangular monopole antenna design for multiband wireless systems. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2017, 27, e21147.	1.2	24
124	New Switching Strategy for Single-Mode Operation of a Single-Stage Buckâ€”Boost Inverter. <i>IEEE Transactions on Power Electronics</i> , 2018, 33, 5927-5936.	7.9	24
125	An endeavor to achieve sustainable development goals through floral waste management: A short review. <i>Journal of Cleaner Production</i> , 2021, 283, 124669.	9.3	23
126	<i>Hind</i> III genomic polymorphism of the C3b receptor (CR1) in patients with SLE: Low erythrocyte CR1 expression is an acquired phenomenon. <i>Immunology and Cell Biology</i> , 1995, 73, 457-462.	2.3	22

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127	Design of multi-polarised quad-band planar antenna with parasitic multistubs for multiband wireless communication. IET Microwaves, Antennas and Propagation, 2018, 12, 718-726.	1.4	22
128	SA Sorting: A Novel Sorting Technique for Large-Scale Data. Journal of Computer Networks and Communications, 2019, 2019, 1-7.	1.6	22
129	Wet chemical synthesis and electrochemical performance of novel double perovskite Y ₂ CuMnO ₆ nanocrystallites. Materials Science in Semiconductor Processing, 2020, 107, 104826.	4.0	22
130	Storage as a service in Fog computing : A systematic review. Journal of Systems Architecture, 2021, 116, 102033.	4.3	22
131	Effect of three-body forces on the statics and dynamics of SF ₆ (Rg) _n and (Rg) ₁₃ clusters. Journal of Chemical Physics, 1993, 98, 5668-5678.	3.0	21
132	Valence shell absolute photoabsorption oscillator strengths, constrained dipole oscillator strength distributions, and dipole properties for CH ₃ NH ₂ , (CH ₃) ₂ NH, and (CH ₃) ₃ N. Canadian Journal of Chemistry, 1994, 72, 529-546.	1.1	21
133	Effect of cisplatin and FK565 on the activation of tumor-associated and bone marrow-derived macrophages by Dalton's lymphoma. International Journal of Immunopharmacology, 1995, 17, 1-7.	1.1	21
134	Elevated levels of TWEAK in skeletal muscle promote visceral obesity, insulin resistance, and metabolic dysfunction. FASEB Journal, 2015, 29, 988-1002.	0.5	21
135	S1P Lyase Regulation of Thymic Egress and Oncogenic Inflammatory Signaling. Mediators of Inflammation, 2017, 2017, 1-19.	3.0	21
136	Effect of novel ZnO/Zn ₂ SnO ₄ photoanode on the performance of dye sensitized solar cell. Optik, 2019, 194, 163117.	2.9	21
137	Impact of Renewable Energy Sources into Multi Area Multi-Source Load Frequency Control of Interrelated Power System. Mathematics, 2021, 9, 186.	2.2	21
138	Sphingosine Phosphate Lyase Regulates Murine Embryonic Stem Cell Proliferation and Pluripotency through an S1P2/STAT3 Signaling Pathway. Biomolecules, 2013, 3, 351-368.	4.0	20
139	Sphingosine phosphate lyase regulates myogenic differentiation via S1P receptor-mediated effects on myogenic microRNA expression. FASEB Journal, 2014, 28, 506-519.	0.5	20
140	Altered Expression of Sphingosine-1-Phosphate Metabolizing Enzymes in Oral Cancer Correlate With Clinicopathological Attributes. Cancer Investigation, 2017, 35, 139-141.	1.3	20
141	Solvothermal synthesis dependent structural, morphological and electrochemical behaviour of mesoporous nanorods of Sm ₂ NiMnO ₆ . Ceramics International, 2020, 46, 11041-11048.	4.8	20
142	A survey of multidisciplinary domains contributing to affective computing. Computer Science Review, 2021, 40, 100399.	15.3	20
143	Assay for redox-sensitive kinases. Methods in Enzymology, 1999, 300, 339-345.	1.0	19
144	Dipole oscillator strength properties and dispersion energies for SiH ₄ . Chemical Physics, 2003, 286, 227-236.	1.9	19

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145	Cetyltrimonium Bromide Assisted Synthesis of Lanthanum Containing Barium Stannate Nanoparticles for Application in Dye Sensitized Solar Cells. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700723.	1.8	19
146	Effects of different concentration and combinations of cryoprotectants on sperm quality, functional integrity in three Indian horse breeds. <i>Cryobiology</i> , 2019, 86, 52-57.	0.7	19
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