

Ashok Kumar

List of Publications by Year in descending order

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398
papers

13,158
citations

23567

58
h-index

39675

94
g-index

404
all docs

404
docs citations

404
times ranked

12816
citing authors

#	ARTICLE	IF	CITATIONS
1	Nuclear factor- β : 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	Sanguinarine (Pseudocheleerythrine) Is a Potent Inhibitor of NF- β Activation, β Phosphorylation, and Degradation. <i>Journal of Biological Chemistry</i> , 1997, 272, 30129-30134.	3.4	257
4	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
5	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- β Activation. <i>Biochemical Pharmacology</i> , 1998, 55, 775-783.	4.4	234
6	Gamma ray shielding properties of PbO-Li ₂ O-B ₂ O ₃ glasses. <i>Radiation Physics and Chemistry</i> , 2017, 136, 50-53.	2.8	206
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	Barium-borate flyash glasses: As radiation shielding materials. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 140-146.	1.4	185
11	Signaling Mechanisms in Mammalian Myoblast Fusion. <i>Science Signaling</i> , 2013, 6, re2.	3.6	174
12	Emodin (3-methyl-1,6,8-trihydroxyanthraquinone) inhibits TNF-induced NF- β activation, β degradation, and expression of cell surface adhesion proteins in human vascular endothelial cells. <i>Oncogene</i> , 1998, 17, 913-918.	5.9	160
13	Loss of dystrophin causes aberrant mechanotransduction in skeletal muscle fibers. <i>FASEB Journal</i> , 2004, 18, 102-113.	0.5	141
14	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
15	Comparative study of gamma ray shielding competence of WO ₃ -TeO ₂ -PbO glass system to different glasses and concretes. <i>Materials Chemistry and Physics</i> , 2018, 213, 508-517.	4.0	140
16	Tumor Necrosis Factor-like Weak Inducer of Apoptosis Inhibits Skeletal Myogenesis through Sustained Activation of Nuclear Factor- β and Degradation of MyoD Protein. <i>Journal of Biological Chemistry</i> , 2006, 281, 10327-10336.	3.4	139
17	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
18	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

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19	Wasting mechanisms in muscular dystrophy. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 2266-2279.	2.8	115
20	Oxygen-Releasing Antioxidant Cryogel Scaffolds with Sustained Oxygen Delivery for Tissue Engineering Applications. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18458-18469.	8.0	112
21	Dlk1 Is Necessary for Proper Skeletal Muscle Development and Regeneration. <i>PLoS ONE</i> , 2010, 5, e15055.	2.5	108
22	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
23	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
24	Physical, structural, optical and gamma ray shielding behavior of (20+x) PbO $\hat{=}$ 10 BaO $\hat{=}$ 10 Na ₂ O $\hat{=}$ 10 MgO $\hat{=}$ (50-x) B ₂ O ₃ glasses. <i>Physica B: Condensed Matter</i> , 2019, 552, 110-118.	2.7	102
25	Evaluation of gamma-ray and neutron shielding features of heavy metals doped Bi ₂ O ₃ -BaO-Na ₂ O-MgO-B ₂ O ₃ glass systems. <i>Progress in Nuclear Energy</i> , 2020, 118, 103118.	2.9	102
26	Mechanical and gamma-ray shielding properties of TeO ₂ -ZnO-NiO glasses. <i>Materials Chemistry and Physics</i> , 2018, 212, 12-20.	4.0	100
27	<sc>ER</sc> stress in skeletal muscle remodeling and myopathies. <i>FEBS Journal</i> , 2019, 286, 379-398.	4.7	96
28	Experimental studies and Monte Carlo simulations on gamma ray shielding competence of (30+x)PbO 10WO ₃ 10Na ₂ O $\hat{=}$ $\hat{=}$ 10MgO $\hat{=}$ (40-x)B ₂ O ₃ glasses. <i>Progress in Nuclear Energy</i> , 2020, 119, 103047.	2.9	93
29	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
30	Nano-Hydroxyapatite Bone Substitute Functionalized with Bone Active Molecules for Enhanced Cranial Bone Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6816-6828.	8.0	91
31	A Four-Switch Single-Stage Single-Phase Buck $\hat{=}$ Boost Inverter. <i>IEEE Transactions on Power Electronics</i> , 2017, 32, 5282-5292.	7.9	90
32	Mechanical stretch activates nuclear factor $\hat{=}$ kappaB, activator protein $\hat{=}$ 1, and mitogen $\hat{=}$ activated protein kinases in lung parenchyma: implications in asthma. <i>FASEB Journal</i> , 2003, 17, 1800-1811.	0.5	89
33	Zn Doped $\hat{=}$ -Fe ₂ O ₃ : An Efficient Material for UV Driven Photocatalysis and Electrical Conductivity. <i>Crystals</i> , 2020, 10, 273.	2.2	86
34	TWEAK and TRAF6 regulate skeletal muscle atrophy. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2012, 15, 233-239.	2.5	85
35	Structural and magnetic studies of the nickel doped CoFe ₂ O ₄ ferrite nanoparticles synthesized by the chemical co-precipitation method. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 394, 379-384.	2.3	85
36	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

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37	Dextran based amphiphilic nano-hybrid hydrogel system incorporated with curcumin and cerium oxide nanoparticles for wound healing. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 195, 111263.	5.0	84
38	The role of PbO/Bi ₂ O ₃ insertion on the shielding characteristics of novel borate glasses. <i>Ceramics International</i> , 2020, 46, 23357-23368.	4.8	83
39	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
40	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
41	Energy and chemical composition dependence of mass attenuation coefficients of building materials. <i>Annals of Nuclear Energy</i> , 2004, 31, 1199-1205.	1.8	75
42	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
43	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
44	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
45	Prevention of DoS Attacks in VANET. <i>Wireless Personal Communications</i> , 2013, 73, 95-126.	2.7	72
46	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
47	TRAF6 coordinates the activation of autophagy and ubiquitin-proteasome systems in atrophying skeletal muscle. <i>Autophagy</i> , 2011, 7, 555-556.	9.1	70
48	Aligned Chitosan-Gelatin Cryogel-Filled Polyurethane Nerve Guidance Channel for Neural Tissue Engineering: Fabrication, Characterization, and In Vitro Evaluation. <i>Biomacromolecules</i> , 2019, 20, 662-673.	5.4	69
49	B ₂ O ₃ -Bi ₂ O ₃ -TeO ₂ -BaO and TeO ₂ -Bi ₂ O ₃ -BaO glass systems: a comparative assessment of gamma-ray and fast and thermal neutron attenuation aspects. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	69
50	Engineering Bioinspired Antioxidant Materials Promoting Cardiomyocyte Functionality and Maturation for Tissue Engineering Application. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 3260-3273.	8.0	68
51	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
52	Physical, structural, optical and thermoluminescence behavior of Dy ₂ O ₃ doped sodium magnesium borosilicate glasses. <i>Results in Physics</i> , 2019, 12, 827-839.	4.1	67
53	SnO-reinforced silicate glasses and utilization in gamma-radiation-shielding applications. <i>Emerging Materials Research</i> , 2020, 9, 1000-1008.	0.7	67
54	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

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55	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
56	The PERK arm of the unfolded protein response regulates satellite cell-mediated skeletal muscle regeneration. <i>ELife</i> , 2017, 6, .	6.0	63
57	Binary B ₂ O ₃ -Bi ₂ O ₃ glasses: scrutinization of directly and indirectly ionizing radiations shielding abilities. <i>Journal of Materials Research and Technology</i> , 2020, 9, 14549-14567.	5.8	63
58	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
59	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
60	Biomimetic Photocurable Three-Dimensional Printed Nerve Guidance Channels with Aligned Cryomatrix Lumen for Peripheral Nerve Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 43327-43342.	8.0	62
61	Isolation, Culturing, and Differentiation of Primary Myoblasts from Skeletal Muscle of Adult Mice. <i>Bio-protocol</i> , 2017, 7, .	0.4	60
62	Physiological Biomimetic Culture System for Pig and Human Heart Slices. <i>Circulation Research</i> , 2019, 125, 628-642.	4.5	60
63	Regulatory circuitry of TWEAK-Fn14 system and PGC α in skeletal muscle atrophy program. <i>FASEB Journal</i> , 2014, 28, 1398-1411.	0.5	59
64	Experimental and Theoretical Study of Radiation Shielding Features of CaO-K ₂ O-Na ₂ O-P ₂ O ₅ Glass Systems. <i>Materials</i> , 2021, 14, 3772.	2.9	59
65	Optical, mechanical properties of TeO ₂ -CdO-PbO-B ₂ O ₃ glass systems and radiation shielding investigation using EPICS2017 library. <i>Optik</i> , 2021, 242, 167342.	2.9	58
66	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
67	Exploration of gamma radiation shielding features for titanate bismuth borotellurite glasses using relevant software program and Monte Carlo simulation code. <i>Journal of Non-Crystalline Solids</i> , 2018, 481, 65-73.	3.1	57
68	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
69	TAK1 modulates satellite stem cell homeostasis and skeletal muscle repair. <i>Nature Communications</i> , 2015, 6, 10123.	12.8	56
70	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
71	A novel method of utilization of hot dip galvanizing slag using the heat waste from itself for protection from radiation. <i>Journal of Hazardous Materials</i> , 2018, 344, 602-614.	12.4	55
72	Ferrite application as an electrochemical sensor: A review. <i>Materials Characterization</i> , 2021, 178, 111269.	4.4	54

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73	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
74	Tumor Necrosis Factor- α Augments Matrix Metalloproteinase-9 Production in Skeletal Muscle Cells through the Activation of Transforming Growth Factor- β 2-activated Kinase 1 (TAK1)-dependent Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2007, 282, 35113-35124.	3.4	53
75	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
76	TWEAK/Fn14 Signaling Axis Mediates Skeletal Muscle Atrophy and Metabolic Dysfunction. <i>Frontiers in Immunology</i> , 2014, 5, 18.	4.8	53
77	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
78	Decellularized Liver Matrix-Modified Cryogel Scaffolds as Potential Hepatocyte Carriers in Bioartificial Liver Support Systems and Implantable Liver Constructs. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 114-126.	8.0	53
79	Synthesis of Yeast-Immobilized and Copper Nanoparticle-Dispersed Carbon Nanofiber-Based Diabetic Wound Dressing Material: Simultaneous Control of Glucose and Bacterial Infections. <i>ACS Applied Bio Materials</i> , 2018, 1, 246-258.	4.6	52
80	Effect of PbO on the shielding behavior of ZnO-P2O5 glass system using Monte Carlo simulation. <i>Journal of Non-Crystalline Solids</i> , 2018, 481, 604-607.	3.1	51
81	Differences in Osmoregulation in Brassica species. <i>Annals of Botany</i> , 1984, 54, 537-542.	2.9	49
82	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
83	Coronavirus disease 2019 and the pancreas. <i>Pancreatology</i> , 2020, 20, 1567-1575.	1.1	49
84	A novel CaO-K2O-Na2O-P2O5 glass systems for radiation shielding applications. <i>Radiation Physics and Chemistry</i> , 2021, 188, 109645.	2.8	48
85	Therapeutic potential of matrix metalloproteinases in Duchenne muscular dystrophy. <i>Frontiers in Cell and Developmental Biology</i> , 2014, 2, 11.	3.7	47
86	Optical, mechanical properties and gamma ray shielding behavior of TeO2-Bi2O3-PbO-MgO-B2O3 glasses using FLUKA simulation code. <i>Optical Materials</i> , 2021, 113, 110900.	3.6	47
87	MyD88 promotes myoblast fusion in a cell-autonomous manner. <i>Nature Communications</i> , 2017, 8, 1624.	12.8	46
88	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
89	PERK regulates skeletal muscle mass and contractile function in adult mice. <i>FASEB Journal</i> , 2019, 33, 1946-1962.	0.5	45
90	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

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91	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
92	Boro-silicate glasses co-doped Er ³⁺ /Yb ³⁺ for optical amplifier and gamma radiation shielding applications. <i>Physica B: Condensed Matter</i> , 2019, 567, 37-44.	2.7	42
93	Shielding behaviour of (20-x) Bi ₂ O ₃ - 20BaO - 10Na ₂ O - 10MgO - (40-x) B ₂ O ₃ : An experimental and Monte Carlo study. <i>Chemical Physics</i> , 2020, 529, 110571.	1.9	42
94	Therapeutic targeting of signaling pathways in muscular dystrophy. <i>Journal of Molecular Medicine</i> , 2010, 88, 155-166.	3.9	40
95	ER Stress and Unfolded Protein Response in Cancer Cachexia. <i>Cancers</i> , 2019, 11, 1929.	3.7	40
96	Nanohydroxyapatite Based Ceramic Carrier Promotes Bone Formation in a Femoral Neck Canal Defect in Osteoporotic Rats. <i>Biomacromolecules</i> , 2020, 21, 328-337.	5.4	40
97	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
98	Li ₂ O-K ₂ O-B ₂ O ₃ -PbO glass system: Optical and gamma-ray shielding investigations. <i>Optik</i> , 2021, 247, 167792.	2.9	39
99	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
100	TAK1 regulates skeletal muscle mass and mitochondrial function. <i>JCI Insight</i> , 2018, 3, .	5.0	38
101	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
102	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
103	Adipose-Derived Stem Cells (ADSCs) Loaded Gelatin-Sericin-Laminin Cryogels for Tissue Regeneration in Diabetic Wounds. <i>Biomacromolecules</i> , 2020, 21, 294-304.	5.4	37
104	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
105	Finite size effect on Sm ³⁺ doped Mn _{0.5} Zn _{0.5} Sm Fe ₂ O ₄ (0.5x) ferrite nanoparticles. <i>Ceramics International</i> , 2015, 41, 8623-8629.	4.8	36
106	Investigations on magnetic and electrical properties of Zn doped Fe ₂ O ₃ nanoparticles and their correlation with local electronic structures. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 489, 165398.	2.3	36
107	Studies on the structural, optical and radiation shielding properties of (50-x) PbO - 10WO ₃ - 10Na ₂ O - 10MgO - (20-x) B ₂ O ₃ glasses. <i>Journal of Non-Crystalline Solids</i> , 2019, 513, 159-166.	3.1	36
108	Theoretical and experimental validation gamma shielding properties of B ₂ O ₃ -ZnO-MgO-Bi ₂ O ₃ glass system. <i>Materials Chemistry and Physics</i> , 2020, 242, 122504.	4.0	36

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109	Transplantation of engineered exosomes derived from bone marrow mesenchymal stromal cells ameliorate diabetic peripheral neuropathy under electrical stimulation. <i>Bioactive Materials</i> , 2021, 6, 2231-2249.	15.6	36
110	COMPACT PLANAR MONOPOLE UWB ANTENNA WITH QUADRUPLE BAND-NOTCHED CHARACTERISTICS. <i>Progress in Electromagnetics Research C</i> , 2014, 47, 29-36.	0.9	35
111	Effect of Gd ³⁺ ion distribution on structural and magnetic properties in nano-sized Mn ²⁺ /Zn ferrite particles. <i>Ceramics International</i> , 2015, 41, 1297-1302.	4.8	35
112	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
113	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
114	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
115	Detailed Inspection of ¹³ -ray, Fast and Thermal Neutrons Shielding Competence of Calcium Oxide or Strontium Oxide Comprising Bismuth Borate Glasses. <i>Materials</i> , 2021, 14, 2265.	2.9	33
116	Experimental Investigation of Radiation Shielding Competence of Bi ₂ O ₃ -CaO-K ₂ O-Na ₂ O-P ₂ O ₅ Glass Systems. <i>Materials</i> , 2021, 14, 5061.	2.9	33
117	Structural, optical and weak magnetic properties of Co and Mn codoped TiO ₂ nanoparticles. <i>Solid State Sciences</i> , 2017, 73, 19-26.	3.2	32
118	Frequency Domain Analysis and Optimal Design of Isolated Bidirectional Series Resonant Converter. <i>IEEE Transactions on Industry Applications</i> , 2018, 54, 356-366.	4.9	32
119	Dual wideband circular polarized CPW-fed strip and slots loaded compact square slot antenna for wireless and satellite applications. <i>AEU - International Journal of Electronics and Communications</i> , 2019, 108, 181-188.	2.9	32
120	Mixed transition and rare earth ion doped borate glass: structural, optical and thermoluminescence study. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 677-686.	2.2	32
121	Effect of prolactin on nitric oxide and interleukin-1 production of murine peritoneal macrophages: Role of Ca ²⁺ and protein kinase C. <i>International Journal of Immunopharmacology</i> , 1997, 19, 129-133.	1.1	31
122	Inhibition of mechanosensitive cation channels inhibits myogenic differentiation by suppressing the expression of myogenic regulatory factors and caspase-3 activity. <i>FASEB Journal</i> , 2005, 19, 1986-1997.	0.5	31
123	Hydrothermal synthesis and electrochemical performance of nanostructured cobalt free La ₂ CuMnO ₆ . <i>Solid State Sciences</i> , 2019, 95, 105927.	3.2	31
124	Facile wet chemical synthesis and electrochemical behavior of La ₂ FeCoO ₆ nano-crystallites. <i>Materials Science in Semiconductor Processing</i> , 2019, 99, 8-13.	4.0	31
125	Excitatory effects of muscarine on septohippocampal neurons: involvement of M ₃ receptors. <i>Brain Research</i> , 1998, 805, 220-233.	2.2	30
126	Reciprocal Interaction between TRAF6 and Notch Signaling Regulates Adult Myofiber Regeneration upon Injury. <i>Molecular and Cellular Biology</i> , 2012, 32, 4833-4845.	2.3	30

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127	TWEAK promotes exercise intolerance by decreasing skeletal muscle oxidative phosphorylation capacity. <i>Skeletal Muscle</i> , 2013, 3, 18.	4.2	30
128	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. <i>Journal of Biological Chemistry</i> , 2014, 289, 19985-19999.	3.4	30
129	Miniaturized wideband dual linearly and circularly polarized printed square slot antenna for multiradio wireless systems. <i>AEU - International Journal of Electronics and Communications</i> , 2018, 88, 44-51.	2.9	30
130	Facile wet chemical synthesis of Er ³⁺ /Yb ³⁺ co-doped BaSnO ₃ nano-crystallites for dye-sensitized solar cell application. <i>Materials Science in Semiconductor Processing</i> , 2018, 83, 83-88.	4.0	30
131	Electrochemical behavior of oxygen-deficient double perovskite, Ba ₂ FeCoO _{6-δ} , synthesized by facile wet chemical process. <i>Ceramics International</i> , 2019, 45, 14105-14110.	4.8	30
132	Probing of nuclear radiation attenuation and mechanical features for lithium bismuth borate glasses with improving Bi ₂ O ₃ content for B ₂ O ₃ + λ Li ₂ O amounts. <i>Results in Physics</i> , 2021, 25, 104246.	4.1	30
133	Evaluation of structural and gamma ray shielding competence of Li ₂ O-K ₂ O-B ₂ O ₃ -HMO (HMO =) Tj ETQq1 1 0.784314 rgBT /Overlock	2.9	30
134	Midday Drop of Leaf Water Content Related to Drought Tolerance in Snap Bean (<i>Phaseolus vulgaris</i> L.). <i>Plant Production Science</i> , 2005, 8, 465-467.	2.0	29
135	Proteinâ€DNA array-based identification of transcription factor activities differentially regulated in skeletal muscle of normal and dystrophin-deficient mdx mice. <i>Molecular and Cellular Biochemistry</i> , 2008, 312, 17-24.	3.1	29
136	The TWEAKâ€Fn14 dyad is involved in age-associated pathological changes in skeletal muscle. <i>Biochemical and Biophysical Research Communications</i> , 2014, 446, 1219-1224.	2.1	29
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