

Xiaodong Wang

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2339581/xiaodong-wang-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

274
papers

59,447
citations

85
h-index

243
g-index

286
ext. papers

64,198
ext. citations

11
avg, IF

7.66
L-index

#	Paper	IF	Citations
274	Cytology, transcriptomics, and mass spectrometry imaging reveal changes in late-maturation elm (<i>Ulmus pumila</i>) seeds.. <i>Journal of Plant Physiology</i> , 2022 , 271, 153639	3.6	0
273	Hierarchical microencapsulation of phase change material with carbon-nanotubes/polydopamine/silica shell for synergistic enhancement of solar photothermal conversion and storage. <i>Solar Energy Materials and Solar Cells</i> , 2022 , 236, 111539	6.4	11
272	Flexible and foldable composite films based on polyimide/phosphorene hybrid aerogel and phase change material for infrared stealth and thermal camouflage. <i>Composites Science and Technology</i> , 2022 , 217, 109127	8.6	15
271	Thermal self-regulatory intelligent biosensor based on carbon-nanotubes-decorated phase-change microcapsules for enhancement of glucose detection. <i>Biosensors and Bioelectronics</i> , 2022 , 195, 113586	11.8	3
270	Blockage of MLKL prevents myelin damage in experimental diabetic neuropathy.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2121552119	11.5	1
269	Osmotic stress activates RIPK3/MLKL-mediated necroptosis by increasing cytosolic pH through a plasma membrane Na/H exchanger.. <i>Science Signaling</i> , 2022 , 15, eabn5881	8.8	2
268	Configuration of Multifunctional Polyimide/Graphene/FeO Hybrid Aerogel-Based Phase-Change Composite Films for Electromagnetic and Infrared Bi-Stealth. <i>Nanomaterials</i> , 2021 , 11,	5.4	2
267	Structure of PDE3A-SLFN12 complex and structure-based design for a potent apoptosis inducer of tumor cells. <i>Nature Communications</i> , 2021 , 12, 6204	17.4	4
266	Forced vital capacity predicts the survival of interstitial lung disease in anti-MDA5 positive dermatomyositis: a multi-centre cohort study. <i>Rheumatology</i> , 2021 ,	3.9	12
265	Assessing POR and CYB5R1 oxidoreductase-mediated oxidative rupture of PUFA in liposomes. <i>STAR Protocols</i> , 2021 , 2, 100360	1.4	0
264	A phosphorylation of RIPK3 kinase initiates an intracellular apoptotic pathway that promotes prostaglandin-induced corpus luteum regression. <i>ELife</i> , 2021 , 10,	8.9	3
263	Development of poly(ethylene glycol)/silica phase-change microcapsules with well-defined core-shell structure for reliable and durable heat energy storage. <i>Solar Energy Materials and Solar Cells</i> , 2021 , 225, 111069	6.4	15
262	VLM catecholaminergic neurons control tumor growth by regulating CD8 T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3
261	UPLC-MS-Based Non-targeted Analysis of Endogenous Metabolite Changes in the Leaves of <i>Gröbing</i> Induced by 6-Benzylaminopurine and Kinetin. <i>Frontiers in Plant Science</i> , 2021 , 12, 700623	6.2	1
260	Membrane Damage during Ferroptosis Is Caused by Oxidation of Phospholipids Catalyzed by the Oxidoreductases POR and CYB5R1. <i>Molecular Cell</i> , 2021 , 81, 355-369.e10	17.6	83
259	Copper adhesive tape attached to the reverse side of a non-conductive glass slide to achieve protein MALDI-imaging in FFPE-tissue sections. <i>Chemical Communications</i> , 2021 , 57, 10707-10710	5.8	0
258	The oxidoreductases POR and CYB5R1 catalyze lipid peroxidation to execute ferroptosis. <i>Molecular and Cellular Oncology</i> , 2021 , 8, 1881393	1.2	2

257	Lamellar-structured phase change composites based on biomass-derived carbonaceous sheets and sodium acetate trihydrate for high-efficient solar photothermal energy harvest. <i>Solar Energy Materials and Solar Cells</i> , 2021 , 229, 111140	6.4	12
256	A Caffeic Acid Matrix Improves Detection and Imaging of Proteins with High Molecular Weight Close to 200,000 Da in Tissues by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2021 , 93, 11920-11928	7.8	7
255	Nanoflaky nickel-hydroxide-decorated phase-change microcapsules as smart electrode materials with thermal self-regulation function for supercapacitor application. <i>Renewable Energy</i> , 2021 , 174, 557-572	8.1	7
254	Innovative Integration of Phase-Change Microcapsules with Metal-Organic Frameworks into an Intelligent Biosensing System for Enhancing Dopamine Detection. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 41753-41772	9.5	8
253	Absolute quantification of 2-hydroxyglutarate on tissue by matrix-assisted laser desorption/ionization mass spectrometry imaging for rapid and precise identification of isocitrate dehydrogenase mutations in human glioma. <i>International Journal of Cancer</i> , 2021 , 149, 2091-2098	7.5	
252	Microencapsulating n-docosane phase change material into CaCO ₃ /Fe ₃ O ₄ composites for high-efficient utilization of solar photothermal energy. <i>Renewable Energy</i> , 2021 , 179, 47-64	8.1	22
251	Development of Renewable Biomass-Derived Carbonaceous Aerogel/Mannitol Phase-Change Composites for High Thermal-Energy-Release Efficiency and Shape Stabilization. <i>ACS Applied Energy Materials</i> , 2021 , 4, 1714-1730	6.1	13
250	Simultaneous colorimetric sensing of malachite & leucomalachite green in aquatic products based on novel ionic associate self-visualization HPTLC strips. <i>Sensors and Actuators B: Chemical</i> , 2020 , 325, 128753	8.5	1
249	An alkaloid initiates phosphodiesterase 3A-schlafen 12 dependent apoptosis without affecting the phosphodiesterase activity. <i>Nature Communications</i> , 2020 , 11, 3236	17.4	9
248	Development of reversible and durable thermochromic phase-change microcapsules for real-time indication of thermal energy storage and management. <i>Applied Energy</i> , 2020 , 264, 114729	10.7	29
247	Casein kinase 1G2 suppresses necroptosis-promoted testis aging by inhibiting receptor-interacting kinase 3. <i>ELife</i> , 2020 , 9,	8.9	7
246	Double-layered surface decoration of flaky aluminum pigments with zinc aluminum phosphate and phytic acid/aluminum complexes for high-performance waterborne coatings. <i>Powder Technology</i> , 2020 , 362, 462-473	5.2	17
245	Metabolite changes associated with earthworms (<i>Eisenia fetida</i>) graphene exposure revealed by matrix-assisted laser desorption/ionization mass spectrometry imaging. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 205, 111102	7	5
244	Complement Factor H Displays Opposite Expression Patterns Under Two Situations of Methamphetamine Administration: Acute Exposure and Chronic Dependence. <i>Neuroscience Bulletin</i> , 2020 , 36, 1558-1562	4.3	
243	Microencapsulation and Surface Functionalization of Ammonium Polyphosphate via In-Situ Polymerization and Thiolene Photogated Reaction for Application in Flame-Retardant Natural Rubber. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 17346-17358	3.9	11
242	Design and construction of mesoporous silica/n-icosane phase-change nanocomposites for supercooling depression and heat transfer enhancement. <i>Energy</i> , 2019 , 188, 116075	7.9	20
241	Molecularly Imprinted Phase-Change Microcapsule System for Bifunctional Applications in Waste Heat Recovery and Targeted Pollutant Removal. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 37644-37664	9.5	27
240	Development of Polyoxymethylene/Poly lactide Blends for a Potentially Biodegradable Material: Crystallization Kinetics, Lifespan Prediction, and Enzymatic Degradation Behavior. <i>Polymers</i> , 2019 , 11,	4.5	8

239	Fabrication and applications of dual-responsive microencapsulated phase change material with enhanced solar energy-storage and solar photocatalytic effectiveness. <i>Solar Energy Materials and Solar Cells</i> , 2019 , 193, 184-197	6.4	38
238	Morphology-controlled synthesis of microencapsulated phase change materials with TiO ₂ shell for thermal energy harvesting and temperature regulation. <i>Energy</i> , 2019 , 172, 599-617	7.9	42
237	Chemical Bond Scission and Physical Slippage in the Mullins Effect and Fatigue Behavior of Elastomers. <i>Macromolecules</i> , 2019 , 52, 4209-4221	5.5	21
236	Flotillin-mediated endocytosis and ALIX-syntenin-1-mediated exocytosis protect the cell membrane from damage caused by necroptosis. <i>Science Signaling</i> , 2019 , 12,	8.8	42
235	RIP1 kinase inhibitor halts the progression of an immune-induced demyelination disease at the stage of monocyte elevation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 5675-5680	11.5	17
234	Innovative design of microencapsulated phase change materials for thermal energy storage and versatile applications: a review. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 1091-1149	5.8	114
233	Preparation of polyimide films microwave-assisted thermal imidization.. <i>RSC Advances</i> , 2019 , 9, 7314-7320	3.7	9
232	Electrochemical prepared phosphorene as a cathode for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2019 , 770, 26-34	5.7	28
231	Estrogen-Related Hormones Induce Apoptosis by Stabilizing Schlafen-12 Protein Turnover. <i>Molecular Cell</i> , 2019 , 75, 1103-1116.e9	17.6	23
230	A small molecule protects mitochondrial integrity by inhibiting mTOR activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 23332-23338	11.5	12
229	Integrated transcriptome and miRNA analysis uncovers molecular regulators of aerial stem-to-rhizome transition in the medical herb <i>Gynostemma pentaphyllum</i> . <i>BMC Genomics</i> , 2019 , 20, 865	4.5	4
228	Crystalline Characteristics, Mechanical Properties, Thermal Degradation Kinetics and Hydration Behavior of Biodegradable Fibers Melt-Spun from Polyoxymethylene/Poly(L-lactic acid) Blends. <i>Polymers</i> , 2019 , 11,	4.5	8
227	Enhanced in situ detection and imaging of lipids in biological tissues by using 2,3-dicyanohydroquinone as a novel matrix for positive-ion MALDI-MS imaging. <i>Chemical Communications</i> , 2019 , 55, 12559-12562	5.8	9
226	3,4-Dimethoxycinnamic Acid as a Novel Matrix for Enhanced In Situ Detection and Imaging of Low-Molecular-Weight Compounds in Biological Tissues by MALDI-MSI. <i>Analytical Chemistry</i> , 2019 , 91, 2634-2643	7.8	36
225	Innovative design of superhydrophobic thermal energy-storage materials by microencapsulation of n-docosane with nanostructured ZnO/SiO ₂ shell. <i>Applied Energy</i> , 2019 , 237, 549-565	10.7	56
224	Tailoring of bifunctional microencapsulated phase change materials with CdS/SiO ₂ double-layered shell for solar photocatalysis and solar thermal energy storage. <i>Applied Thermal Engineering</i> , 2018 , 134, 603-614	5.8	53
223	Metabolomic insights into the effects of thyroid hormone on <i>Rana [Lithobates] catesbeiana</i> metamorphosis using whole-body Matrix Assisted Laser Desorption/Ionization-Mass Spectrometry Imaging (MALDI-MSI). <i>General and Comparative Endocrinology</i> , 2018 , 265, 237-245	3	5
222	formation of surface-functionalized ionic calcium carbonate nanoparticles with liquid-like behaviours and their electrical properties. <i>Royal Society Open Science</i> , 2018 , 5, 170732	3.3	6

221	Fabrication of shape-stable composite phase change materials based on lauric acid and graphene/graphene oxide complex aerogels for enhancement of thermal energy storage and electrical conduction. <i>Thermochimica Acta</i> , 2018 , 664, 1-15	2.9	45
220	Recent advances in matrix-assisted laser desorption/ionisation mass spectrometry imaging (MALDI-MSI) for in situ analysis of endogenous molecules in plants. <i>Phytochemical Analysis</i> , 2018 , 29, 351-364	3.4	39
219	Surface decoration of short-cut polyimide fibers with multi-walled carbon nanotubes and their application for reinforcement of lightweight PC/ABS composites. <i>Applied Surface Science</i> , 2018 , 442, 124-137	6.7	12
218	Flash memory effects and devices based on functional polyimides bearing pendent ferrocene group. <i>Materials and Design</i> , 2018 , 139, 298-303	8.1	24
217	Smart design and construction of nanoflake-like MnO ₂ /SiO ₂ hierarchical microcapsules containing phase change material for in-situ thermal management of supercapacitors. <i>Energy Conversion and Management</i> , 2018 , 164, 311-328	10.6	43
216	Effect of discontinuous long polyimide fiber on mechanical properties, fracture morphology, and crystallization behaviors of polyamide-6 matrix composites. <i>Journal of Thermoplastic Composite Materials</i> , 2018 , 31, 223-245	1.9	7
215	High Electrochemical Performance Phosphorus-Oxide Modified Graphene Electrode for Redox Supercapacitors Prepared by One-Step Electrochemical Exfoliation. <i>Nanomaterials</i> , 2018 , 8,	5.4	9
214	High Performance of Supercapacitor from PEDOT:PSS Electrode and Redox Iodide Ion Electrolyte. <i>Nanomaterials</i> , 2018 , 8,	5.4	23
213	RIP kinases as modulators of inflammation and immunity. <i>Nature Immunology</i> , 2018 , 19, 912-922	19.1	84
212	The performance of different anti-dsDNA autoantibodies assays in Chinese systemic lupus erythematosus patients. <i>Clinical Rheumatology</i> , 2018 , 37, 139-144	3.9	8
211	Mixed Lineage Kinase Domain-like Protein MLKL Breaks Down Myelin following Nerve Injury. <i>Molecular Cell</i> , 2018 , 72, 457-468.e5	17.6	36
210	High performance nanocomposite electrodes of mesoporous silica platelet-polyaniline synthesized via impregnation polymerization. <i>Polymer Composites</i> , 2017 , 38, 1616-1623	3	12
209	Discovery of Highly Potent 2-Sulfonyl-Pyrimidinyl Derivatives for Apoptosis Inhibition and Ischemia Treatment. <i>ACS Medicinal Chemistry Letters</i> , 2017 , 8, 407-412	4.3	14
208	Discovery of a new class of highly potent necroptosis inhibitors targeting the mixed lineage kinase domain-like protein. <i>Chemical Communications</i> , 2017 , 53, 3637-3640	5.8	37
207	Fabrication of Graphene/TiO ₂ /Paraffin Composite Phase Change Materials for Enhancement of Solar Energy Efficiency in Photocatalysis and Latent Heat Storage. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 4906-4915	8.3	83
206	Asymmetric isomerization: an efficient strategy to tune the electrical resistive memory behaviors of functional polyimides containing N-phenylcarbazole moieties. <i>RSC Advances</i> , 2017 , 7, 23550-23559	3.7	8
205	Design and fabrication of bifunctional microcapsules for solar thermal energy storage and solar photocatalysis by encapsulating paraffin phase change material into cuprous oxide. <i>Solar Energy Materials and Solar Cells</i> , 2017 , 168, 146-164	6.4	80
204	Surface decoration of polyimide fiber with carbon nanotubes and its application for mechanical enhancement of phosphoric acid-based geopolymers. <i>Applied Surface Science</i> , 2017 , 416, 200-212	6.7	31

203	New evidence on the correlation between lattice fringe with catalytic performance for suprafacial CO and intrafacial CH ₄ oxidations over Co ₃ O ₄ by isotopic ¹⁸ O ₂ exchange. <i>Molecular Catalysis</i> , 2017 , 437, 26-36	3.3	5
202	Fabrication of microencapsulated phase change materials with TiO ₂ /Fe ₃ O ₄ hybrid shell as thermoregulatory enzyme carriers: A novel design of applied energy microsystem for bioapplications. <i>Applied Energy</i> , 2017 , 201, 20-33	10.7	58
201	Mechanical properties, impact fracture behavior, and morphology of long-polyimide-fiber-reinforced poly(butylene terephthalate) composites. <i>Journal of Composite Materials</i> , 2017 , 51, 3425-3439	2.7	9
200	Tuning the Electrical Memory Behavior from Nonvolatile to Volatile in Functional Copolyimides Bearing Varied Fluorene and Pyrene Moieties. <i>Journal of Electronic Materials</i> , 2017 , 46, 2011-2020	1.9	3
199	Metabolomic profiling of prostate cancer by matrix assisted laser desorption/ionization-Fourier transform ion cyclotron resonance mass spectrometry imaging using Matrix Coating Assisted by an Electric Field (MCAEF). <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017 , 1865, 755-767	4	25
198	Discovery of a Highly Potent, Selective, and Metabolically Stable Inhibitor of Receptor-Interacting Protein 1 (RIP1) for the Treatment of Systemic Inflammatory Response Syndrome. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 972-986	8.3	51
197	Carbonization behavior of polyimide films hybrid with different metal catalyst. <i>Polymer Science - Series B</i> , 2017 , 59, 430-436	0.8	1
196	RIPK1-RIPK3-MLKL-dependent necrosis promotes the aging of mouse male reproductive system. <i>ELife</i> , 2017 , 6,	8.9	43
195	Improvement of Pharmacokinetic Profile of TRAIL via Trimer-Tag Enhances its Antitumor Activity in vivo. <i>Scientific Reports</i> , 2017 , 7, 8953	4.9	38
194	Self-assembly fabrication, microstructures and antibacterial performance of layer-structured montmorillonite nanocomposites with cationic silica nanoparticles. <i>RSC Advances</i> , 2017 , 7, 31502-31511	3.7	14
193	Development of Thermoregulatory Enzyme Carriers Based on Microencapsulated n-Docosane Phase Change Material for Biocatalytic Enhancement of Amylases. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 8396-8406	8.3	31
192	Regulating the electrical bistable memory characteristics in functional polyimides by varying the spatial position of the electron-donating species. <i>European Polymer Journal</i> , 2017 , 95, 186-194	5.2	10
191	Achieving tunable memory performance from nonvolatile to volatile by altering the trap depth of charge trapping sites in functional imides containing carbazole moieties. <i>Dyes and Pigments</i> , 2017 , 146, 1-6	4.6	8
190	An ultrahigh performance supercapacitors based on simultaneous redox in both electrode and electrolyte. <i>Journal of Alloys and Compounds</i> , 2017 , 694, 136-144	5.7	20
189	Design and fabrication of long-carbon-fiber-reinforced polyamide-6/nickel powder composites for electromagnetic interference shielding and high mechanical performance. <i>Polymer Composites</i> , 2016 , 37, 2705-2718	3	10
188	A Small Molecule That Protects the Integrity of the Electron Transfer Chain Blocks the Mitochondrial Apoptotic Pathway. <i>Molecular Cell</i> , 2016 , 63, 229-239	17.6	41
187	Tuning Electrical Memory Behavior from Nonvolatile to Volatile by Varying Tethering Positions of the Anthracene Moiety in Functional Polyimides. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 26217-26224	2.8	16
186	Preparation, mechanical properties and microstructure of polyoxymethylene fiber through melt spinning and hot drawing by using injection-molding grade resins. <i>Fibers and Polymers</i> , 2016 , 17, 1464-1474	2	10

185	Design and synthesis of multifunctional microencapsulated phase change materials with silver/silica double-layered shell for thermal energy storage, electrical conduction and antimicrobial effectiveness. <i>Energy</i> , 2016 , 111, 498-512	7.9	77
184	Natural Product Kongensin A is a Non-Canonical HSP90 Inhibitor that Blocks RIP3-dependent Necroptosis. <i>Cell Chemical Biology</i> , 2016 , 23, 257-266	8.2	71
183	Fabrication, mechanical performance and tribological behaviors of polyacetal-fiber-reinforced metakaolin-based geopolymeric composites. <i>Ceramics International</i> , 2016 , 42, 6329-6341	5.1	12
182	Magnetic microencapsulated phase change materials with an organo-silica shell: Design, synthesis and application for electromagnetic shielding and thermal regulating polyimide films. <i>Energy</i> , 2016 , 98, 225-239	7.9	35
181	Microencapsulation of n-dodecane into zirconia shell doped with rare earth: Design and synthesis of bifunctional microcapsules for photoluminescence enhancement and thermal energy storage. <i>Energy</i> , 2016 , 97, 113-126	7.9	56
180	New Supercapacitors Based on the Synergetic Redox Effect between Electrode and Electrolyte. <i>Materials</i> , 2016 , 9,	3.5	19
179	Mechanical and tribological enhancement of polyoxymethylene-based composites with long basalt fiber through melt pultrusion. <i>Composite Interfaces</i> , 2016 , 23, 743-761	2.3	13
178	The use of matrix coating assisted by an electric field (MCAEF) to enhance mass spectrometric imaging of human prostate cancer biomarkers. <i>Journal of Mass Spectrometry</i> , 2016 , 51, 86-95	2.2	17
177	Activation of the BMP-BMPR pathway conferred resistance to EGFR-TKIs in lung squamous cell carcinoma patients with EGFR mutations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 9990-5	11.5	24
176	Synthesis of a novel linear polyphosphazene-based epoxy resin and its application in halogen-free flame-resistant thermosetting systems. <i>Polymer Degradation and Stability</i> , 2015 , 118, 45-58	4.7	42
175	Preparation, isothermal kinetics, and performance of a novel epoxy thermosetting system based on phosphazene-cyclomatrix network for halogen-free flame retardancy and high thermal stability. <i>Thermochimica Acta</i> , 2015 , 607, 60-73	2.9	39
174	A cytosolic heat shock protein 90 and cochaperone CDC37 complex is required for RIP3 activation during necroptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 5017-22	11.5	102
173	Fabrication of multifunctional microcapsules containing n -eicosane core and zinc oxide shell for low-temperature energy storage, photocatalysis, and antibiosis. <i>Energy Conversion and Management</i> , 2015 , 106, 873-885	10.6	96
172	RIP3-mediated necrotic cell death accelerates systematic inflammation and mortality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 11007-12	11.5	67
171	Preparation, microstructures, and properties of long-glass-fiber-reinforced thermoplastic composites based on polycarbonate/poly(butylene terephthalate) alloys. <i>Journal of Reinforced Plastics and Composites</i> , 2015 , 34, 1804-1820	2.9	28
170	Matrix coating assisted by an electric field (MCAEF) for enhanced tissue imaging by MALDI-MS. <i>Chemical Science</i> , 2015 , 6, 729-738	9.4	25
169	Design and fabrication of dual-functional microcapsules containing phase change material core and zirconium oxide shell with fluorescent characteristics. <i>Solar Energy Materials and Solar Cells</i> , 2015 , 133, 56-68	6.4	80
168	Phase-change characteristics and thermal performance of form-stable n -alkanes/silica composite phase change materials fabricated by sodium silicate precursor. <i>Renewable Energy</i> , 2015 , 74, 689-698	8.1	68

167	Fabrication of long glass fiber reinforced polyacetal composites: Mechanical performance, microstructures, and isothermal crystallization kinetics. <i>Polymer Composites</i> , 2015 , 36, 1826-1839	3	21
166	High Specific Capacitance of Polyaniline/Mesoporous Manganese Dioxide Composite Using KI-H ₂ SO ₄ Electrolyte. <i>Polymers</i> , 2015 , 7, 1939-1953	4.5	58
165	Preparation and Electrochemical Characterization of Mesoporous Polyaniline-Silica Nanocomposites as an Electrode Material for Pseudocapacitors. <i>Materials</i> , 2015 , 8, 1369-1383	3.5	41
164	Development of bifunctional microencapsulated phase change materials with crystalline titanium dioxide shell for latent-heat storage and photocatalytic effectiveness. <i>Applied Energy</i> , 2015 , 138, 661-674	10.7	149
163	Comprehensive imaging of porcine adrenal gland lipids by MALDI-FTMS using quercetin as a matrix. <i>Analytical Chemistry</i> , 2014 , 86, 638-46	7.8	46
162	Microencapsulation of n-octadecane phase change material with calcium carbonate shell for enhancement of thermal conductivity and serving durability: Synthesis, microstructure, and performance evaluation. <i>Applied Energy</i> , 2014 , 114, 632-643	10.7	305
161	Mixed lineage kinase domain-like protein MLKL causes necrotic membrane disruption upon phosphorylation by RIP3. <i>Molecular Cell</i> , 2014 , 54, 133-146	17.6	899
160	Novel cyclotriphosphazene-based epoxy compound and its application in halogen-free epoxy thermosetting systems: Synthesis, curing behaviors, and flame retardancy. <i>Polymer Degradation and Stability</i> , 2014 , 103, 96-112	4.7	84
159	A new kind of cell suicide: mechanisms and functions of programmed necrosis. <i>Trends in Biochemical Sciences</i> , 2014 , 39, 587-93	10.3	78
158	Activation of mitochondrial protease OMA1 by Bax and Bak promotes cytochrome c release during apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 14782-7	11.5	138
157	Design and synthesis of magnetic microcapsules based on n-eicosane core and Fe ₃ O ₄ /SiO ₂ hybrid shell for dual-functional phase change materials. <i>Applied Energy</i> , 2014 , 134, 456-468	10.7	125
156	Synthesis and Performance of Cyclomatrix Polyphosphazene Derived from Tripiro-Cyclotriphosphazene as a Halogen-Free Nonflammable Material. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 231-238	8.3	39
155	A plug release mechanism for membrane permeation by MLKL. <i>Structure</i> , 2014 , 22, 1489-500	5.2	140
154	Elevated serum levels of circulating immunoinflammation-related protein complexes are associated with cancer. <i>Journal of Proteome Research</i> , 2014 , 13, 710-9	5.6	12
153	New approach for sol-gel synthesis of microencapsulated n-octadecane phase change material with silica wall using sodium silicate precursor. <i>Energy</i> , 2014 , 67, 223-233	7.9	155
152	Self-Assembly Synthesis of Microencapsulated n-Eicosane Phase-Change Materials with Crystalline-Phase-Controllable Calcium Carbonate Shell. <i>Energy & Fuels</i> , 2014 , 28, 3519-3529	4.1	77
151	Polyimide/ladder-like polysilsesquioxane hybrid films: Mechanical performance, microstructure and phase separation behaviors. <i>Composites Part B: Engineering</i> , 2014 , 56, 808-814	10	15
150	Necrosulfonamide inhibits necroptosis by selectively targeting the mixed lineage kinase domain-like protein. <i>MedChemComm</i> , 2014 , 5, 333-337	5	25

149	Development of sustainable polyoxymethylene-based composites with recycled carbon fibre: mechanical enhancement, morphology, and crystallization kinetics. <i>Journal of Reinforced Plastics and Composites</i> , 2014 , 33, 294-309	2.9	10
148	Change in IgG1 Fc N-linked glycosylation in human lung cancer: age- and sex-related diagnostic potential. <i>Electrophoresis</i> , 2013 , 34, 2407-16	3.6	23
147	Hydroxyflavones as a new family of matrices for MALDI tissue imaging. <i>Analytical Chemistry</i> , 2013 , 85, 7566-73	7.8	57
146	Fabrication of Spirocyclic Phosphazene Epoxy-Based Nanocomposites with Graphene via Exfoliation of Graphite Platelets and Thermal Curing for Enhancement of Mechanical and Conductive Properties. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 10160-10171	3.9	80
145	Lipid profiling for early diagnosis and progression of colorectal cancer using direct-infusion electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2013 , 27, 24-34	2.2	86
144	Dephosphorylation of intact glycoprotein to greatly improve digestion efficiency coupled with matrix-assisted laser desorption/ionization-Fourier transform ion cyclotron resonance mass spectrometric analysis. <i>Analytica Chimica Acta</i> , 2013 , 787, 140-7	6.6	6
143	Recycled carbon fiber reinforced poly(butylene terephthalate) thermoplastic composites: fabrication, crystallization behaviors and performance evaluation. <i>Polymers for Advanced Technologies</i> , 2013 , 24, 364-375	3.2	34
142	Surface modification of recycled carbon fiber and its reinforcement effect on nylon 6 composites: Mechanical properties, morphology and crystallization behaviors. <i>Current Applied Physics</i> , 2013 , 13, 2038-2050	2.6	58
141	Mechanical properties, morphology and crystallization kinetic studies of bio-based thermoplastic composites of poly(butylene succinate) with recycled carbon fiber. <i>Journal of Chemical Technology and Biotechnology</i> , 2013 , 88, 1200-1211	3.5	29
140	Development of lightweight thermoplastic composites based on polycarbonate/acrylonitrile-butadiene-styrene copolymer alloys and recycled carbon fiber: Preparation, morphology, and properties. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 3502-3511	2.9	22
139	Small-molecule activation of the TRAIL receptor DR5 in human cancer cells. <i>Nature Chemical Biology</i> , 2013 , 9, 84-9	11.7	85
138	High-performance copolyimide fibers containing quinazolinone moiety: Preparation, structure and properties. <i>Polymer</i> , 2013 , 54, 1700-1708	3.9	82
137	CO catalytic combustion over Co/Al ₂ O ₃ : Influence of diverse textural properties of alumina supports on the related oxidation activities. <i>Catalysis Today</i> , 2013 , 216, 169-177	5.3	11
136	Peli1 promotes microglia-mediated CNS inflammation by regulating Traf3 degradation. <i>Nature Medicine</i> , 2013 , 19, 595-602	50.5	128
135	Human IgG Fc-glycosylation profiling reveals associations with age, sex, female sex hormones and thyroid cancer. <i>Journal of Proteomics</i> , 2012 , 75, 2824-34	3.9	94
134	Probing gender-specific lipid metabolites and diagnostic biomarkers for lung cancer using Fourier transform ion cyclotron resonance mass spectrometry. <i>Clinica Chimica Acta</i> , 2012 , 414, 135-41	6.2	57
133	The mitochondrial phosphatase PGAM5 functions at the convergence point of multiple necrotic death pathways. <i>Cell</i> , 2012 , 148, 228-43	56.2	645
132	Mixed lineage kinase domain-like protein mediates necrosis signaling downstream of RIP3 kinase. <i>Cell</i> , 2012 , 148, 213-27	56.2	1517

131	Interfacial growth of controllable morphology of silver patterns on plastic substrates. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 12349-56	3.4	16
130	Isothermal Crystallization Kinetics, Morphology, and Mechanical Properties of Biocomposites Based on Poly(3-hydroxybutyrate-co-4-hydroxybutyrate) and Recycled Carbon Fiber. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 14047-14060	3.9	7
129	Novel spirocyclic phosphazene-based epoxy resin for halogen-free fire resistance: synthesis, curing behaviors, and flammability characteristics. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 4047-61	9.5	108
128	Preparation, crystallization behaviors, and mechanical properties of biodegradable composites based on poly(L-lactic acid) and recycled carbon fiber. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012 , 43, 1947-1958	8.4	21
127	Fabrication of high-performance copolyimide fibers from 3,3',4,4'-biphenyltetracarboxylic dianhydride, p-phenylenediamine and 2-(4-aminophenyl)-6-amino-4(3H)-quinazolinone. <i>Materials Letters</i> , 2012 , 89, 63-65	3.3	53
126	Novel Cyclolinear Cyclotriphosphazene-Linked Epoxy Resin for Halogen-Free Fire Resistance: Synthesis, Characterization, and Flammability Characteristics. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 15064-15074	3.9	62
125	Synthesis, characterization and curing properties of a novel cyclolinear phosphazene-based epoxy resin for halogen-free flame retardancy and high performance. <i>RSC Advances</i> , 2012 , 2, 5789	3.7	65
124	Effects of phosphate and polysiloxane on flame retardancy and impact toughening behavior of poly(2,6-dimethyl-1,4-phenylene oxide). <i>Polymer Engineering and Science</i> , 2012 , 52, 927-936	2.3	5
123	Broad-spectrum four-dimensional orthogonal electrophoresis: a novel comprehensively feasible system for protein complexomics investigation. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, 786-99	7.6	3
122	The E3 ubiquitin ligase Mule acts through the ATM-p53 axis to maintain B lymphocyte homeostasis. <i>Journal of Experimental Medicine</i> , 2012 , 209, 173-86	16.6	45
121	Upregulation of human autophagy-initiation kinase ULK1 by tumor suppressor p53 contributes to DNA-damage-induced cell death. <i>Cell Death and Differentiation</i> , 2011 , 18, 1598-607	12.7	143
120	Fabrication of microencapsulated phase change materials based on n-octadecane core and silica shell through interfacial polycondensation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011 , 389, 104-117	5.1	126
119	Effect of poly(ethylene oxide) on tribological performance and impact fracture behavior of polyoxymethylene/polytetrafluoroethylene fiber composites. <i>Composites Part B: Engineering</i> , 2011 , 42, 1945-1955	10	38
118	Dynamic random access memory effect and memory device derived from a functional polyimide containing electron donor-acceptor pairs in the main chain. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 384-9	4.8	55
117	Proteomics-based Characterization of Protein Complexes from Human Pancreatic Cancer Cell Line. <i>Chinese Journal of Chemistry</i> , 2011 , 29, 1548-1550	4.9	1
116	Crystallization behavior and foaming properties of polypropylene containing ultra-high molecular weight polyethylene under supercritical carbon dioxide. <i>Journal of Applied Polymer Science</i> , 2011 , 119, 1275-1286	2.9	23
115	Facile preparation of nylon 6 nanocomposites based on clay reinforcement and core-shell latex toughening: Morphology, properties, and impact fracture behavior. <i>Journal of Applied Polymer Science</i> , 2011 , 121, 541-553	2.9	6
114	Separation and identification of HSP-associated protein complexes from pancreatic cancer cell lines using 2D CN/SDS-PAGE coupled with mass spectrometry. <i>Journal of Biomedicine and Biotechnology</i> , 2011 , 2011, 193052		6

113	SMAC mimetic (JP1201) sensitizes non-small cell lung cancers to multiple chemotherapy agents in an IAP-dependent but TNF- β -independent manner. <i>Cancer Research</i> , 2011 , 71, 7640-8	10.1	47
112	AMPK and mTOR coordinate the regulation of Ulk1 and mammalian autophagy initiation. <i>Autophagy</i> , 2011 , 7, 924-6	10.2	139
111	Toll-like receptors activate programmed necrosis in macrophages through a receptor-interacting kinase-3-mediated pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 20054-9	11.5	444
110	Nutrient starvation elicits an acute autophagic response mediated by Ulk1 dephosphorylation and its subsequent dissociation from AMPK. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 4788-93	11.5	357
109	Overcoming cancer cell resistance to Smac mimetic induced apoptosis by modulating cIAP-2 expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 11936-41	11.5	94
108	Four-dimensional orthogonal electrophoresis system for screening protein complexes and protein-protein interactions combined with mass spectrometry. <i>Journal of Proteome Research</i> , 2010 , 9, 5325-34	5.6	10
107	The ER UDPase ENTPD5 promotes protein N-glycosylation, the Warburg effect, and proliferation in the PTEN pathway. <i>Cell</i> , 2010 , 143, 711-24	56.2	154
106	Preparation and characterization of polyimide/ladder like polysiloxane hybrid films. <i>Materials Letters</i> , 2010 , 64, 2710-2713	3.3	7
105	Structure of an apoptosome-procaspase-9 CARD complex. <i>Structure</i> , 2010 , 18, 571-83	5.2	101
104	Modification of recycled polycarbonate with core-shell structured latexes for enhancement of impact resistance and flame retardancy. <i>Journal of Applied Polymer Science</i> , 2010 , 116, NA-NA	2.9	2
103	Flammability characteristics and performance of halogen-free flame-retarded polyoxymethylene based on phosphorus-nitrogen synergistic effects. <i>Journal of Applied Polymer Science</i> , 2010 , 118, 611-622	2.9	37
102	Silica encapsulation of n-octadecane via sol-gel process: a novel microencapsulated phase-change material with enhanced thermal conductivity and performance. <i>Journal of Colloid and Interface Science</i> , 2010 , 343, 246-55	9.3	331
101	In vitro methylation by methanol: proteomic screening and prevalence investigation. <i>Analytica Chimica Acta</i> , 2010 , 661, 67-75	6.6	17
100	Preparation, microstructure and properties of epoxy-based composites containing carbon nanotubes and PMN-PZT piezoceramics as rigid piezo-damping materials. <i>Materials Chemistry and Physics</i> , 2009 , 116, 191-197	4.4	31
99	Synthesis, characterization, thermal properties and flame retardancy of a novel nonflammable phosphazene-based epoxy resin. <i>Polymer Degradation and Stability</i> , 2009 , 94, 617-624	4.7	176
98	Synthesis and properties of microencapsulated n-octadecane with polyurea shells containing different soft segments for heat energy storage and thermal regulation. <i>Solar Energy Materials and Solar Cells</i> , 2009 , 93, 1366-1376	6.4	195
97	Fabrication and performances of microencapsulated phase change materials based on n-octadecane core and resorcinol-modified melamine-formaldehyde shell. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009 , 332, 129-138	5.1	198
96	Receptor interacting protein kinase-3 determines cellular necrotic response to TNF-alpha. <i>Cell</i> , 2009 , 137, 1100-11	56.2	1569

95	A new synthesis of lamellar-mesostructured silica by using poly(ethylene glycol) distearate as template. <i>Materials Research Bulletin</i> , 2008 , 43, 2979-2985	5.1	3
94	New type of piezo-damping epoxy-matrix composites with multi-walled carbon nanotubes and lead zirconate titanate. <i>Materials Letters</i> , 2008 , 62, 3859-3861	3.3	38
93	Self-assembly and confinement behaviors of poly(ethylene glycol) distearate within lamellar-mesostructured silica. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 5068-5073	3.9	3
92	PHAPI, CAS, and Hsp70 promote apoptosome formation by preventing Apaf-1 aggregation and enhancing nucleotide exchange on Apaf-1. <i>Molecular Cell</i> , 2008 , 30, 239-47	17.6	85
91	TNF-alpha induces two distinct caspase-8 activation pathways. <i>Cell</i> , 2008 , 133, 693-703	56.2	969
90	New type of low-dielectric composites based on o-cresol novolac epoxy resin and mesoporous silicas: fabrication and performances. <i>Journal of Materials Science</i> , 2008 , 43, 4455-4465	4.3	17
89	Fabrication and performances of epoxy/multi-walled carbon nanotubes/piezoelectric ceramic composites as rigid piezo-damping materials. <i>Journal of Materials Science</i> , 2008 , 43, 4979-4987	4.3	38
88	Synthesis and morphological investigation of ordered SBA-15-type mesoporous silica with an amphiphilic triblock copolymer template under various conditions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008 , 316, 27-36	5.1	47
87	Preparation, microstructure, and properties of novel low-brominated epoxy/mesoporous silica composites. <i>European Polymer Journal</i> , 2008 , 44, 1414-1427	5.2	45
86	A two-step synthesis of well-ordered cubic mesoporous silica materials under mildly acidic conditions. <i>Microporous and Mesoporous Materials</i> , 2008 , 108, 183-192	5.3	8
85	Novel low-brominated polyimide/mesoporous silica composite films: Preparation, microstructure, and properties. <i>Polymer</i> , 2007 , 48, 318-329	3.9	118
84	A two-step route to synthesis of small-pored and thick-walled SBA-16-type mesoporous silica under mildly acidic conditions. <i>Journal of Colloid and Interface Science</i> , 2007 , 307, 158-65	9.3	26
83	Biochemical mechanisms of the RNA-induced silencing complex. <i>Cell Research</i> , 2007 , 17, 187-94	24.7	37
82	Autocrine TNFalpha signaling renders human cancer cells susceptible to Smac-mimetic-induced apoptosis. <i>Cancer Cell</i> , 2007 , 12, 445-56	24.3	491
81	Synthesis and characterization of ordered and cubic mesoporous silica crystals under a moderately acidic condition. <i>Journal of Materials Science</i> , 2007 , 42, 465-471	4.3	5
80	Degradation of Mcl-1 by beta-TrCP mediates glycogen synthase kinase 3-induced tumor suppression and chemosensitization. <i>Molecular and Cellular Biology</i> , 2007 , 27, 4006-17	4.8	316
79	Therapeutic anticancer efficacy of a synthetic diazonamide analog in the absence of overt toxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 2074-9	11.5	60
78	Diazonamide toxins reveal an unexpected function for ornithine delta-amino transferase in mitotic cell division. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 2068-73	11.5	112

77	Acidity-dependent mesostructure transformation of highly ordered mesoporous silica materials during a two-step synthesis. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 2507-2514	3.9	15
76	Synchronous toughening and reinforcing of polypropylene with ultrahigh-molecular-weight polyethylene via melt blending: Mechanical properties, morphology, and rheology. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 3498-3509	2.9	11
75	Effect of nylon 6 on fracture behavior and morphology of tough blends of poly(2,6-dimethyl-1,4-phenylene oxide) and maleated styrene-ethylene-butadiene-styrene block copolymer. <i>Journal of Applied Polymer Science</i> , 2006 , 99, 3336-3343	2.9	16
74	Preparation, morphology, and properties of multilamellar barrier materials based on blends of high-density polyethylene and copolyester. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 3791-3799	2.9	5
73	Influence of processing conditions on dual-phase continuous blend system of thermoplastic polyurethane with ethylene-propylene-diene monomer elastomer. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 5472-5482	2.9	11
72	Autophagy occurs upstream or parallel to the apoptosome during histolytic cell death. <i>Development (Cambridge)</i> , 2006 , 133, 1457-65	6.6	80
71	Three-dimensional structure of a double apoptosome formed by the Drosophila Apaf-1 related killer. <i>Journal of Molecular Biology</i> , 2006 , 355, 577-89	6.5	110
70	Specific ablation of the apoptotic functions of cytochrome C reveals a differential requirement for cytochrome C and Apaf-1 in apoptosis. <i>Cell</i> , 2005 , 121, 579-591	56.2	223
69	Mule/ARF-BP1, a BH3-only E3 ubiquitin ligase, catalyzes the polyubiquitination of Mcl-1 and regulates apoptosis. <i>Cell</i> , 2005 , 121, 1085-95	56.2	665
68	Argonaute2 cleaves the anti-guide strand of siRNA during RISC activation. <i>Cell</i> , 2005 , 123, 621-9	56.2	614
67	Study on blends of thermoplastic polyurethane and aliphatic polyester: morphology, rheology, and properties as moisture vapor permeable films. <i>Polymer Testing</i> , 2005 , 24, 18-24	4.5	41
66	Effect of ionomers on mechanical properties, morphology, and rheology of polyoxymethylene and its blends with methyl methacrylate/ethylene-butadiene copolymer. <i>European Polymer Journal</i> , 2005 , 41, 871-880	5.2	28
65	A structure of the human apoptosome at 12.8 Å resolution provides insights into this cell death platform. <i>Structure</i> , 2005 , 13, 1725-35	5.2	122
64	A phosphate-based epoxy resin for flame retardance: synthesis, characterization, and cure properties. <i>Colloid and Polymer Science</i> , 2005 , 283, 593-603	2.4	12
63	Formation of apoptosome is initiated by cytochrome c-induced dATP hydrolysis and subsequent nucleotide exchange on Apaf-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 17545-50	11.5	239
62	Multiple targeting modules on peroxisomal proteins are not redundant: discrete functions of targeting signals within Pmp47 and Pex8p. <i>Molecular Biology of the Cell</i> , 2004 , 15, 1702-10	3.5	18
61	Biochemical identification of Argonaute 2 as the sole protein required for RNA-induced silencing complex activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 14385-9	11.5	248
60	Preparation and properties of novel plastisols based on acrylic core-shell lattices. <i>Colloid and Polymer Science</i> , 2004 , 283, 98-106	2.4	2

59	Effect of hydrotalcite on the thermal stability, mechanical properties, rheology and flame retardance of poly(vinyl chloride). <i>Polymer International</i> , 2004 , 53, 698-707	3.3	85
58	Nanocomposites of poly(vinyl chloride) and nanometric calcium carbonate particles: Effects of chlorinated polyethylene on mechanical properties, morphology, and rheology. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 2714-2723	2.9	99
57	Synthesis, characterization, and cure properties of phosphorus-containing epoxy resins for flame retardance. <i>European Polymer Journal</i> , 2004 , 40, 385-395	5.2	112
56	Toughening of poly(2,6-dimethyl-1,4-phenylene oxide)/nylon 6 alloys with functionalized elastomers via reactive compatibilization: morphology, mechanical properties, and rheology. <i>European Polymer Journal</i> , 2004 , 40, 1223-1232	5.2	53
55	A small molecule Smac mimic potentiates TRAIL- and TNFalpha-mediated cell death. <i>Science</i> , 2004 , 305, 1471-4	33.3	601
54	Mitochondrial activation of apoptosis. <i>Cell</i> , 2004 , 116, S57-9, 2 p following S59	56.2	96
53	Cytochrome C-mediated apoptosis. <i>Annual Review of Biochemistry</i> , 2004 , 73, 87-106	29.1	1070
52	Endonuclease G is required for early embryogenesis and normal apoptosis in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 15782-7	11.5	77
51	Distinctive roles of PHAP proteins and prothymosin-alpha in a death regulatory pathway. <i>Science</i> , 2003 , 299, 223-6	33.3	342
50	Compatibilization and toughening of poly(2,6-dimethyl-1,4-phenylene oxide)/polyamide 6 alloy with poly(ethylene 1-octene): Mechanical properties, morphology, and rheology. <i>Journal of Applied Polymer Science</i> , 2003 , 88, 3110-3116	2.9	32
49	R2D2, a bridge between the initiation and effector steps of the Drosophila RNAi pathway. <i>Science</i> , 2003 , 301, 1921-5	33.3	575
48	Elimination of Mcl-1 is required for the initiation of apoptosis following ultraviolet irradiation. <i>Genes and Development</i> , 2003 , 17, 1475-86	12.6	477
47	Exogenous smac induces competence and permits caspase activation in sympathetic neurons. <i>Journal of Neuroscience</i> , 2002 , 22, 8018-27	6.6	41
46	Optimum toughening via a bicontinuous blending: toughening of PPO with SEBS and SEBS-g-maleic anhydride. <i>Polymer</i> , 2002 , 43, 37-43	3.9	46
45	Generation and characterization of Smac/DIABLO-deficient mice. <i>Molecular and Cellular Biology</i> , 2002 , 22, 3509-17	4.8	153
44	Three-dimensional structure of the apoptosome: implications for assembly, procaspase-9 binding, and activation. <i>Molecular Cell</i> , 2002 , 9, 423-32	17.6	664
43	Action of recombinant human apoptotic endonuclease G on naked DNA and chromatin substrates: cooperation with exonuclease and DNase I. <i>Journal of Biological Chemistry</i> , 2001 , 276, 48404-9	5.4	134
42	The pro-apoptotic Bcl-2 family member tBid localizes to mitochondrial contact sites. <i>BMC Cell Biology</i> , 2001 , 2, 22		111

41	Cooperative toughening and cooperative compatibilization: the nylon 6/ethylene-co-vinyl acetate/ethylene-co-acrylic acid blends. <i>Polymer</i> , 2001 , 42, 9211-9216	3.9	32
40	Compatibilizing effect of ethylene-vinyl acetate-acrylic acid copolymer on nylon 6/ethylene-vinyl acetate copolymer blended system: mechanical properties, morphology and rheology. <i>Journal of Materials Science</i> , 2001 , 36, 5465-5473	4.3	14
39	Mitochondrial endonuclease G is important for apoptosis in <i>C. elegans</i> . <i>Nature</i> , 2001 , 412, 90-4	50.4	359
38	Endonuclease G is an apoptotic DNase when released from mitochondria. <i>Nature</i> , 2001 , 412, 95-9	50.4	1370
37	Apaf-1 deficiency and neural tube closure defects are found in fog mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 9683-7	11.5	71
36	Regulation of apoptosis by phosphatidylinositol 4,5-bisphosphate inhibition of caspases, and caspase inactivation of phosphatidylinositol phosphate 5-kinases. <i>Journal of Biological Chemistry</i> , 2001 , 276, 1865-72	5.4	68
35	A mutational epitope for cytochrome C binding to the apoptosis protease activation factor-1. <i>Journal of Biological Chemistry</i> , 2001 , 276, 13034-8	5.4	102
34	A Mitochondria-Initiated Apoptotic Pathway. <i>Scientific World Journal, The</i> , 2001 , 1, 49	2.2	1
33	Genetic analysis of the APAF1 gene in male germ cell tumors. <i>Genes Chromosomes and Cancer</i> , 2000 , 28, 258-68	5	20
32	Structural and biochemical basis of apoptotic activation by Smac/DIABLO. <i>Nature</i> , 2000 , 406, 855-62	50.4	699
31	Cardiolipin provides specificity for targeting of tBid to mitochondria. <i>Nature Cell Biology</i> , 2000 , 2, 754-61	23.4	391
30	Structural basis of IAP recognition by Smac/DIABLO. <i>Nature</i> , 2000 , 408, 1008-12	50.4	730
29	Cytochrome c promotes caspase-9 activation by inducing nucleotide binding to Apaf-1. <i>Journal of Biological Chemistry</i> , 2000 , 275, 31199-203	5.4	361
28	Cleavage preferences of the apoptotic endonuclease DFF40 (caspase-activated DNase or nuclease) on naked DNA and chromatin substrates. <i>Journal of Biological Chemistry</i> , 2000 , 275, 8226-32	5.4	133
27	In vitro assays for caspase-3 activation and DNA fragmentation. <i>Methods in Enzymology</i> , 2000 , 322, 177-82	8.7	3
26	Nucleotide requirements for the in vitro activation of the apoptosis protein-activating factor-1-mediated caspase pathway. <i>Journal of Biological Chemistry</i> , 2000 , 275, 29-34	5.4	135
25	Adult Apaf-1-deficient mice exhibit male infertility. <i>Developmental Biology</i> , 2000 , 218, 248-58	3.1	170
24	DFF45/ICAD can be directly processed by granzyme B during the induction of apoptosis. <i>Immunity</i> , 2000 , 12, 621-32	32.3	172

23	Smac, a mitochondrial protein that promotes cytochrome c-dependent caspase activation by eliminating IAP inhibition. <i>Cell</i> , 2000 , 102, 33-42	56.2	2856
22	Cytochrome c deficiency causes embryonic lethality and attenuates stress-induced apoptosis. <i>Cell</i> , 2000 , 101, 389-99	56.2	421
21	Apoptosis in neural development and disease. <i>Annual Review of Neuroscience</i> , 2000 , 23, 73-87	17	266
20	Activation of the apoptotic endonuclease DFF40 (caspase-activated DNase or nuclease). Oligomerization and direct interaction with histone H1. <i>Journal of Biological Chemistry</i> , 1999 , 274, 13836-40	5.4	137
19	Dark is a Drosophila homologue of Apaf-1/CED-4 and functions in an evolutionarily conserved death pathway. <i>Nature Cell Biology</i> , 1999 , 1, 272-9	23.4	290
18	Biochemical pathways of caspase activation during apoptosis. <i>Annual Review of Cell and Developmental Biology</i> , 1999 , 15, 269-90	12.6	2133
17	Stoichiometry, Free Energy, and Kinetic Aspects of Cytochrome c: Apaf-1 Binding in Apoptosis. <i>Journal of the American Chemical Society</i> , 1999 , 121, 7435-7436	16.4	45
16	An APAF-1.cytochrome c multimeric complex is a functional apoptosome that activates procaspase-9. <i>Journal of Biological Chemistry</i> , 1999 , 274, 11549-56	5.4	1551
15	Bid, a Bcl2 interacting protein, mediates cytochrome c release from mitochondria in response to activation of cell surface death receptors. <i>Cell</i> , 1998 , 94, 481-90	56.2	3061
14	Identification of the nuclear factor HMG2 as an activator for DFF nuclease activity. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 250, 598-601	3.4	38
13	The 40-kDa subunit of DNA fragmentation factor induces DNA fragmentation and chromatin condensation during apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 8461-6	11.5	474
12	Induction of an apoptotic program in cell-free extracts by 2-chloro-2'deoxyadenosine 5'Triphosphate and cytochrome c. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 9567-71	11.5	101
11	Prevention of apoptosis by Bcl-2: release of cytochrome c from mitochondria blocked. <i>Science</i> , 1997 , 275, 1129-32	33.3	4330
10	DFF, a heterodimeric protein that functions downstream of caspase-3 to trigger DNA fragmentation during apoptosis. <i>Cell</i> , 1997 , 89, 175-84	56.2	1623
9	Cytochrome c and dATP-dependent formation of Apaf-1/caspase-9 complex initiates an apoptotic protease cascade. <i>Cell</i> , 1997 , 91, 479-89	56.2	6095
8	Apaf-1, a human protein homologous to C. elegans CED-4, participates in cytochrome c-dependent activation of caspase-3. <i>Cell</i> , 1997 , 90, 405-13	56.2	2718
7	Induction of apoptotic program in cell-free extracts: requirement for dATP and cytochrome c. <i>Cell</i> , 1996 , 86, 147-57	56.2	4393
6	Purification and Characterization of an Interleukin-1β-converting Enzyme Family Protease That Activates Cysteine Protease P32 (CPP32). <i>Journal of Biological Chemistry</i> , 1996 , 271, 13371-13376	5.4	73

5	Purification of an interleukin-1 beta converting enzyme-related cysteine protease that cleaves sterol regulatory element-binding proteins between the leucine zipper and transmembrane domains. <i>Journal of Biological Chemistry</i> , 1995 , 270, 18044-50	5.4	114
4	SREBP-1, a membrane-bound transcription factor released by sterol-regulated proteolysis. <i>Cell</i> , 1994 , 77, 53-62	56.2	863
3	SREBP-2, a second basic-helix-loop-helix-leucine zipper protein that stimulates transcription by binding to a sterol regulatory element. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 11603-7	11.5	507
2	Integration of Magnetic Phase-Change Microcapsules with Black Phosphorus Nanosheets for Efficient Harvest of Solar Photothermal Energy. <i>ACS Applied Energy Materials</i> ,	6.1	8
1	Casein Kinase 1G2 Suppresses Necroptosis-Promoted Testis Aging by Inhibiting Receptor-Interacting Kinase 3		1