

Xiaodong Wang

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85
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243
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286
ext. papers

64,198
ext. citations

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L-index

#	Paper	IF	Citations
274	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
273	Induction of apoptotic program in cell-free extracts: requirement for dATP and cytochrome c. <i>Cell</i> , 1996 , 86, 147-57	56.2	4393
272	Prevention of apoptosis by Bcl-2: release of cytochrome c from mitochondria blocked. <i>Science</i> , 1997 , 275, 1129-32	33.3	4330
271	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
270	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
269	Apaf-1, a human protein homologous to <i>C. elegans</i> CED-4, participates in cytochrome c-dependent activation of caspase-3. <i>Cell</i> , 1997 , 90, 405-13	56.2	2718
268	Biochemical pathways of caspase activation during apoptosis. <i>Annual Review of Cell and Developmental Biology</i> , 1999 , 15, 269-90	12.6	2133
267	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
266	Receptor interacting protein kinase-3 determines cellular necrotic response to TNF-alpha. <i>Cell</i> , 2009 , 137, 1100-11	56.2	1569
265	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
264	Mixed lineage kinase domain-like protein mediates necrosis signaling downstream of RIP3 kinase. <i>Cell</i> , 2012 , 148, 213-27	56.2	1517
263	Endonuclease G is an apoptotic DNase when released from mitochondria. <i>Nature</i> , 2001 , 412, 95-9	50.4	1370
262	Cytochrome C-mediated apoptosis. <i>Annual Review of Biochemistry</i> , 2004 , 73, 87-106	29.1	1070
261	TNF-alpha induces two distinct caspase-8 activation pathways. <i>Cell</i> , 2008 , 133, 693-703	56.2	969
260	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
259	SREBP-1, a membrane-bound transcription factor released by sterol-regulated proteolysis. <i>Cell</i> , 1994 , 77, 53-62	56.2	863
258	Structural basis of IAP recognition by Smac/DIABLO. <i>Nature</i> , 2000 , 408, 1008-12	50.4	730

257	Structural and biochemical basis of apoptotic activation by Smac/DIABLO. <i>Nature</i> , 2000 , 406, 855-62	50.4	699
256	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
255	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
254	The mitochondrial phosphatase PGAM5 functions at the convergence point of multiple necrotic death pathways. <i>Cell</i> , 2012 , 148, 228-43	56.2	645
253	Argonaute2 cleaves the anti-guide strand of siRNA during RISC activation. <i>Cell</i> , 2005 , 123, 621-9	56.2	614
252	A small molecule Smac mimic potentiates TRAIL- and TNFalpha-mediated cell death. <i>Science</i> , 2004 , 305, 1471-4	33.3	601
251	R2D2, a bridge between the initiation and effector steps of the Drosophila RNAi pathway. <i>Science</i> , 2003 , 301, 1921-5	33.3	575
250	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
249	Autocrine TNFalpha signaling renders human cancer cells susceptible to Smac-mimetic-induced apoptosis. <i>Cancer Cell</i> , 2007 , 12, 445-56	24.3	491
248	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
247	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
246	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
245	Cytochrome c deficiency causes embryonic lethality and attenuates stress-induced apoptosis. <i>Cell</i> , 2000 , 101, 389-99	56.2	421
244	Cardiolipin provides specificity for targeting of tBid to mitochondria. <i>Nature Cell Biology</i> , 2000 , 2, 754-61	23.4	391
243	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
242	Mitochondrial endonuclease G is important for apoptosis in <i>C. elegans</i> . <i>Nature</i> , 2001 , 412, 90-4	50.4	359
241	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
240	Distinctive roles of PHAP proteins and prothymosin-alpha in a death regulatory pathway. <i>Science</i> , 2003 , 299, 223-6	33.3	342

239	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
238	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
237	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
236	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
235	Apoptosis in neural development and disease. <i>Annual Review of Neuroscience</i> , 2000 , 23, 73-87	17	266
234	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
233	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
232	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
231	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
230	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
229	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
228	DFF45/ICAD can be directly processed by granzyme B during the induction of apoptosis. <i>Immunity</i> , 2000 , 12, 621-32	32.3	172
227	Adult Apaf-1-deficient mice exhibit male infertility. <i>Developmental Biology</i> , 2000 , 218, 248-58	3.1	170
226	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
225	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
224	Generation and characterization of Smac/DIABLO-deficient mice. <i>Molecular and Cellular Biology</i> , 2002 , 22, 3509-17	4.8	153
223	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
222	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

221	A plug release mechanism for membrane permeation by MLKL. <i>Structure</i> , 2014 , 22, 1489-500	5.2	140
220	AMPK and mTOR coordinate the regulation of Ulk1 and mammalian autophagy initiation. <i>Autophagy</i> , 2011 , 7, 924-6	10.2	139
219	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
218	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
217	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
216	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
215	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
214	Peli1 promotes microglia-mediated CNS inflammation by regulating Traf3 degradation. <i>Nature Medicine</i> , 2013 , 19, 595-602	50.5	128
213	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
212	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
211	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
210	Novel low- Γ polyimide/mesoporous silica composite films: Preparation, microstructure, and properties. <i>Polymer</i> , 2007 , 48, 318-329	3.9	118
209	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
208	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
207	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
206	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
205	The pro-apoptotic Bcl-2 family member tBid localizes to mitochondrial contact sites. <i>BMC Cell Biology</i> , 2001 , 2, 22		111
204	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

203	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
202	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
201	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
200	Structure of an apoptosome-procaspase-9 CARD complex. <i>Structure</i> , 2010 , 18, 571-83	5.2	101
199	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
198	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
197	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
196	Mitochondrial activation of apoptosis. <i>Cell</i> , 2004 , 116, S57-9, 2 p following S59	56.2	96
195	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
194	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
193	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
192	Small-molecule activation of the TRAIL receptor DR5 in human cancer cells. <i>Nature Chemical Biology</i> , 2013 , 9, 84-9	11.7	85
191	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
190	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
189	RIP kinases as modulators of inflammation and immunity. <i>Nature Immunology</i> , 2018 , 19, 912-922	19.1	84
188	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
187	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
186	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

185	High-performance copolyimide fibers containing quinazolinone moiety: Preparation, structure and properties. <i>Polymer</i> , 2013 , 54, 1700-1708	3.9	82
184	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
183	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
182	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
181	Autophagy occurs upstream or parallel to the apoptosome during histolytic cell death. <i>Development (Cambridge)</i> , 2006 , 133, 1457-65	6.6	80
180	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
179	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
178	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
177	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
176	Purification and Characterization of an Interleukin-1 β -converting Enzyme Family Protease That Activates Cysteine Protease P32 (CPP32). <i>Journal of Biological Chemistry</i> , 1996 , 271, 13371-13376	5.4	73
175	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
174	Apa1-1 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
173	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
172	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
171	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
170	Synthesis, characterization and curing properties of a novel cycloliner phosphazene-based epoxy resin for halogen-free flame retardancy and high performance. <i>RSC Advances</i> , 2012 , 2, 5789	3.7	65
169	Novel Cycloliner 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
168	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

167	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
166	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
165	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
164	Hydroxyflavones as a new family of matrices for MALDI tissue imaging. <i>Analytical Chemistry</i> , 2013 , 85, 7566-73	7.8	57
163	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
162	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
161	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
160	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
159	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
158	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
157	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
156	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
155	SMAC mimetic (JP1201) sensitizes non-small cell lung cancers to multiple chemotherapy agents in an IAP-dependent but TNF- α -independent manner. <i>Cancer Research</i> , 2011 , 71, 7640-8	10.1	47
154	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
153	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
152	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
151	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
150	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

149	Preparation, microstructure, and properties of novel low-brominated epoxy/mesoporous silica composites. <i>European Polymer Journal</i> , 2008 , 44, 1414-1427	5.2	45
148	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
147	RIPK1-RIPK3-MLKL-dependent necrosis promotes the aging of mouse male reproductive system. <i>ELife</i> , 2017 , 6,	8.9	43
146	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
145	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
144	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
143	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
142	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
141	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
140	Exogenous smac induces competence and permits caspase activation in sympathetic neurons. <i>Journal of Neuroscience</i> , 2002 , 22, 8018-27	6.6	41
139	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
138	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
137	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
136	Synthesis and Performance of Cyclomatrix Polyphosphazene Derived from Trispiro-Cyclotriphosphazene as a Halogen-Free Nonflammable Material. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 231-238	8.3	39
135	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
134	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
133	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
132	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

131	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
130	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
129	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
128	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	2.9	37
127	Biochemical mechanisms of the RNA-induced silencing complex. <i>Cell Research</i> , 2007 , 17, 187-94	24.7	37
126	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
125	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
124	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
123	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
122	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
121	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
120	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
119	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
118	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
117	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
116	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
115	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
114	Electrochemical prepared phosphorene as a cathode for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2019 , 770, 26-34	5.7	28

113	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
112	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
111	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
110	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
109	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
108	Necrosulfonamide inhibits necroptosis by selectively targeting the mixed lineage kinase domain-like protein. <i>MedChemComm</i> , 2014 , 5, 333-337	5	25
107	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
106	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
105	High Performance of Supercapacitor from PEDOT:PSS Electrode and Redox Iodide Ion Electrolyte. <i>Nanomaterials</i> , 2018 , 8,	5.4	23
104	Estrogen-Related Hormones Induce Apoptosis by Stabilizing Schlafen-12 Protein Turnover. <i>Molecular Cell</i> , 2019 , 75, 1103-1116.e9	17.6	23
103	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
102	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
101	Development of lightweight thermoplastic composites based on polycarbonate/acrylonitrile-butadiene-ethylene copolymer alloys and recycled carbon fiber: Preparation, morphology, and properties. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 3502-3511	2.9	22
100	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
99	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
98	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
97	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
96	Design and construction of mesoporous silica/n-eicosane phase-change nanocomposites for supercooling depression and heat transfer enhancement. <i>Energy</i> , 2019 , 188, 116075	7.9	20

95	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
94	Genetic analysis of the APAF1 gene in male germ cell tumors. <i>Genes Chromosomes and Cancer</i> , 2000 , 28, 258-68	5	20
93	New Supercapacitors Based on the Synergetic Redox Effect between Electrode and Electrolyte. <i>Materials</i> , 2016 , 9,	3.5	19
92	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
91	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
90	In vitro methylation by methanol: proteomic screening and prevalence investigation. <i>Analytica Chimica Acta</i> , 2010 , 661, 67-75	6.6	17
89	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
88	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
87	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
86	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	3.8	16
85	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
84	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
83	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
82	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
81	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
80	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
79	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
78	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

77	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
76	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
75	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
74	High performance nanocomposite electrodes of mesoporous silica platelet-polyaniline synthesized via impregnation polymerization. <i>Polymer Composites</i> , 2017 , 38, 1616-1623	3	12
73	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
72	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
71	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
70	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
69	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
68	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
67	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
66	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
65	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
64	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
63	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
62	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
61	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
60	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

59	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
58	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
57	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
56	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
55	Preparation of polyimide films microwave-assisted thermal imidization.. <i>RSC Advances</i> , 2019 , 9, 7314-7320	3.7	9
54	An alkaloid initiates phosphodiesterase 3A-schlafen 12 dependent apoptosis without affecting the phosphodiesterase activity. <i>Nature Communications</i> , 2020 , 11, 3236	17.4	9
53	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
52	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
51	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
50	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
49	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
48	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
47	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
46	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
45	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
44	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
43	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
42	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

41	Preparation and characterization of polyimide/ladder like polysiloxane hybrid films. <i>Materials Letters</i> , 2010 , 64, 2710-2713	3.3	7
40	Casein kinase 1G2 suppresses necroptosis-promoted testis aging by inhibiting receptor-interacting kinase 3. <i>ELife</i> , 2020 , 9,	8.9	7
39	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
38	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
37	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
36	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
35	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
34	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
33	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
32	Metabolomic insights into the effects of thyroid hormone on Rana [Lithobates] catesbeiana 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
31	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
30	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
29	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
28	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
27	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
26	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
25	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
24	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

23	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
22	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
21	In vitro assays for caspase-3 activation and DNA fragmentation. <i>Methods in Enzymology</i> , 2000 , 322, 177-827		3
20	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
19	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
18	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
17	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
16	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
15	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
14	The oxidoreductases POR and CYB5R1 catalyze lipid peroxidation to execute ferroptosis. <i>Molecular and Cellular Oncology</i> , 2021 , 8, 1881393	1.2	2
13	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
12	Carbonization behavior of polyimide films hybrid with different metal catalyst. <i>Polymer Science - Series B</i> , 2017 , 59, 430-436	0.8	1
11	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
10	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
9	A Mitochondria-Initiated Apoptotic Pathway. <i>Scientific World Journal, The</i> , 2001 , 1, 49	2.2	1
8	Casein Kinase 1G2 Suppresses Necroptosis-Promoted Testis Aging by Inhibiting Receptor-Interacting Kinase 3		1
7	UPLC-MS-Based Non-targeted Analysis of Endogenous Metabolite Changes in the Leaves of Gröing Induced by 6-Benzylaminopurine and Kinetin. <i>Frontiers in Plant Science</i> , 2021 , 12, 700623	6.2	1
6	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

5	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	o
4	Assessing POR and CYB5R1 oxidoreductase-mediated oxidative rupture of PUFA in liposomes. <i>STAR Protocols</i> , 2021 , 2, 100360	1.4	o
3	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	o
2	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	
1	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	