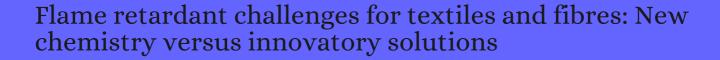
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#	Paper IF	Citations
427	Cross-Linking Cotton Cellulose by the Combination of Maleic Acid and Sodium Hypophosphite. 2. Fabric Fire Performance. <b>2011</b> , 50, 5889-5897	25
426	Intumescent all-polymer multilayer nanocoating capable of extinguishing flame on fabric. <b>2011</b> , 23, 3926-3	1 267
425	Mechanical Properties, Morphology and IR Analysis of the Proban CC-Treated Celluloses. <b>2012</b> , 625, 214-21	7
424	Effect of Phosphorus Compounds on Flame Retardancy and Thermal Degradation of Polycarbonate and Acrylonitrile <b>B</b> utadiene <b>S</b> tyrene. <b>2012</b> , 51, 2141-2156	3
423	Application of low-frequency oxygen plasma treatment to polyester fabric to reduce the amount of flame retardant agent. <b>2012</b> , 82, 613-621	17
422	Antiflammable Properties of Capable Phosphorus Nitrogen-Containing Triazine Derivatives on Cotton. <b>2012</b> , 123-137	4
421	Graft Copolymerization of Acrylamide onto Polyester-Cotton Blended Fabric by Using Potassium Permanganate Redox System. <b>2012</b> , 627, 205-211	1
420	Fire performances comparison of back coating and melt spinning approaches for PET covering textiles. <i>Polymer Degradation and Stability</i> , <b>2012</b> , 97, 1083-1089	43
419	Cotton fabrics treated with novel oxidic phases acting as effective smoke suppressants. <b>2012</b> , 90, 251-60	30
418	TG/DTG/DTA evaluation of flame retarded cotton fabrics and comparison to cone calorimeter data. <b>2012</b> , 90, 976-81	11
417	Developments in functional finishing of cotton fibres Ewrinkle-resistant, flame-retardant and antimicrobial treatments. <b>2012</b> , 44, 175-249	43
416	Influence of ammonium polyphosphate-/poly(acrylic acid)-based layer by layer architectures on the char formation in cotton, polyester and their blends. <i>Polymer Degradation and Stability</i> , <b>2012</b> , 97, 1644-163.	3 80
415	State of the art and perspectives on solgel derived hybrid architectures for flame retardancy of textiles. <b>2012</b> , 22, 21805-21809	94
414	Textile Flame Retardancy Through Surface-Assembled Nanoarchitectures. <b>2012</b> , 327-341	1
413	Preparation and properties of flame-retardant viscose fiber containing phosphazene derivative. <b>2012</b> , 13, 718-723	24
412	Synthesis of a novel flame retardant containing phosphorus and sulfur and its application in polycarbonate. <b>2012</b> , 52, 2327-2335	22
411	Layer by Layer ammonium polyphosphate-based coatings for flame retardancy of polyesterdotton blends. <b>2012</b> , 88, 1460-1469	168

410	Cone calorimeter evaluation of two flame retardant cotton fabrics. <b>2013</b> , 37, 46-57	12
409	Novel intumescent flame retardants: synthesis and application in polycarbonate. <b>2013</b> , 37, 530-546	29
408	Durable flame-retardant finishing for polyamide 66 fabrics by surface hydroxymethylation and crosslinking. <b>2013</b> , 24, 10-14	13
407	Synthesis of a phenylene phenyl phosphine oligomer and its flame retardancy for polycarbonate. <b>2013</b> , 127, 2855-2866	10
406	Thermal stability and flame retardancy of polyester fabrics solgel treated in the presence of boehmite nanoparticles. <i>Polymer Degradation and Stability</i> , <b>2013</b> , 98, 1609-1616	44
405	Textile flammability research since 1980 [Personal challenges and partial solutions. <i>Polymer Degradation and Stability</i> , <b>2013</b> , 98, 2813-2824	54
404	Study of flame-retardant finishing of cellulose fibres: OrganicIhorganic hybrid versus conventional organophosphonate. <i>Polymer Degradation and Stability</i> , <b>2013</b> , 98, 2602-2608	45
403	Layer by layer nanoarchitectures for the surface protection of polycarbonate. <b>2013</b> , 49, 397-404	43
402	Modification of ramie fabric with a metal-ion-doped flame-retardant coating. 2013, 129, 2986-2997	25
401	Phosphorus- and nitrogen-doped silica coatings for enhancing the flame retardancy of cotton:  Synergisms or additive effects?. <i>Polymer Degradation and Stability</i> , <b>2013</b> , 98, 579-589  4-7	76
400	DNA: a novel, green, natural flame retardant and suppressant for cotton. <b>2013</b> , 1, 4779	198
399	The role of pre-hydrolysis on multi step solgel processes for enhancing the flame retardancy of cotton. <b>2013</b> , 20, 525-535	38
398	Intrinsic intumescent-like flame retardant properties of DNA-treated cotton fabrics. 2013, 96, 296-304	144
397	Improving the Fire Performance of Nylon 6,6 Fabric by Chemical Grafting with Acrylamide. <b>2013</b> , 52, 2290-229	9613
396	UV radiation induced flame retardant cellulose fiber by using polyvinylphosphonic acid/carbon nanotube composite coating. <b>2013</b> , 45, 282-289	78
395	Thermal properties of cotton fabric modified with poly (propylene imine) dendrimers. <b>2013</b> , 20, 3079-3091	14
394	Solid[liquid Phase Equilibrium of N,N?-(Methylenedi-4,1-phenylene)bis(phosphoramidic acid) Tetraphenyl Ester in Selected Solvents. <b>2013</b> , 52, 10916-10923	12
393	Flame resistant textiles for flash fires. <b>2013</b> , 501-519	

392	Multi-component flame resistant coating techniques for textiles. <b>2013</b> , 68-93		5
391	Chemical modification of natural and synthetic textile fibres to improve flame retardancy. <b>2013</b> , 37-67		2
390	Speciality polymers for the finishing of technical textiles. <b>2013</b> , 309-354		2
389	Plasma Deposition of an Organophosphorus Coating at Atmospheric Pressure. <b>2013</b> , 10, 556-563		11
388	Flame resistant cotton. 2013, 177-220		3
387	Flame resistant wool and wool blends. <b>2013</b> , 245-271		8
386	Interfacial properties and thermal stability of modified poly(m-phenylene isophthalamide) thin films. <b>2013</b> , 45, 837-843		11
385	Thermal Endurance Testing of Kevlar Fabric/Phenolic Sandwich Composite Protecting the Electronics of a Search and Rescue Robot. <b>2014</b> , 23, 096369351402300		2
384	Preparation and Characterization of Flame-Retardant Viscose Fiber Treated with TAECTP. <b>2014</b> , 151, 193-208		2
383	Thermal performance and flammability of poly(ethylene terephthalate) fabrics grafted with different monomers followed by electron beam irradiation. <b>2014</b> , 15, 1895-1901		9
382	Single- and Multiwalled Carbon Nanotubes with Phosphorus Based Flame Retardants for Textiles. <b>2014</b> , 2014, 1-6		12
381	Flame-Retardant Polypropylene/Multiwall Carbon Nanotube Nanocomposites: Effects of Surface Functionalization and Surfactant Molecular Weight. <b>2014</b> , 215, 327-340		70
380	Eco-friendly Coloration and Functionalization of Textile Using Plant Extracts. 2014, 263-287		17
379	A High-Efficiency Inflame Retardant Modification of Poly(Ethylene Terephthalate)(PET) Fabric. <b>2014</b> , 1004-1005, 315-318		1
378	A Well-Defined Cyclotriphosphazene-Based Epoxy Monomer and Its Application as A Novel Epoxy Resin: Synthesis, Curing Behaviors, and Flame Retardancy. <b>2014</b> , 189, 541-550		12
377	Effect of Plasma Pretreatment Followed by Nanoclay Loading on Flame Retardant Properties of Cotton Fabric. <b>2014</b> , 33, 88-95		25
376	Caseins and hydrophobins as novel green flame retardants for cotton fabrics. <i>Polymer Degradation and Stability</i> , <b>2014</b> , 99, 111-117	7	166
375	Multifunctional superhydrophobic/oleophobic and flame-retardant cellulose fibres with improved ice-releasing properties and passive antibacterial activity prepared via the solgel method. <b>2014</b> , 70, 385-399		29

374	Review on flammability of biofibres and biocomposites. <b>2014</b> , 111, 149-82	131
373	Current emerging techniques to impart flame retardancy to fabrics: An overview. <i>Polymer 4-7</i>	194
372	Flame retardant polyamide 6/nanoclay/intumescent nanocomposite fibers through electrospinning. <b>2014</b> , 84, 1106-1118	31
371	Biomacromolecules as novel green flame retardant systems for textiles: an overview. <b>2014</b> , 4, 46024-46039	116
370	Materials engineering for surface-confined flame retardancy. <b>2014</b> , 84, 1-20	110
369	Obtaining Monodisperse Melamine Phosphate Grains by a Continuous Reaction Crystallization Process. <b>2014</b> , 53, 6593-6599	3
368	Elevation of charring level of polyamide-6,6 films via ionic introduction of phosphoric acid and boric acid esters. <b>2014</b> , 7, 184-190	5
367	Special Spherical Shell-shaped Foam deriving from Guanidine Phosphate IPentaerythritol system and its Intumescent Fire Retardant effects on Polypropylene. <i>Polymer Degradation and Stability</i> , 4.7 <b>2014</b> , 110, 252-259	8
366	Enhanced thermal and combustion resistance of cotton linked to natural inorganic salt components. <b>2014</b> , 21, 791-802	19
365	Maintaining hand and improving fire resistance of cotton fabric through ultrasonication rinsing of multilayer nanocoating. <b>2014</b> , 21, 3023-3030	37
364	Clothing for protection against heat and flames. <b>2014</b> , 70-89	4
363	Graft copolymerization coating of methacryloyloxyethyl diphenyl phosphate flame retardant onto silk surface. <b>2014</b> , 77, 1585-1590	11
362	Thermal degradation of DNA-treated cotton fabrics under different heating conditions. <b>2014</b> , 108, 212-221	72
361	Phosphorous compounds as flame retardants for polybutylene succinate/flax biocomposite: Additive versus reactive route. <i>Polymer Degradation and Stability</i> , <b>2014</b> , 102, 152-159  4-7	38
360	Surface Coating for Flame-Retardant Behavior of Cotton Fabric Using a Continuous Layer-by-Layer Process. <b>2014</b> , 53, 3805-3812	108
359	Flame Retardancy of Polyester and Polyester and Blends Treated with Caseins. 2014, 53, 3917-3923	94
358	Thermal Degradation of Cellulose and Cellulosic Substrates. <b>2015</b> , 301-332	13
357	The flame-retardant properties and mechanisms of poly(ethylene terephthalate)/hexakis (para-allyloxyphenoxy) cyclotriphosphazene systems. <b>2015</b> , 132, n/a-n/a	10

356 The preparation of flame-retardant poly (ethylene terephthalate) fabric by ionic agent. **2015**, 87, 012106

355	. 2015,	19
354	Environmentally friendly fabric finishes. <b>2015</b> , 3-33	3
353	Flame-Retardant Polyamide 6/Carbon Nanotube Nanofibers: Processing and Characterization. <b>2015</b> , 10, 155892501501000	5
352	Water-based chitosan/melamine polyphosphate multilayer nanocoating that extinguishes fire on polyester-cotton fabric. <b>2015</b> , 130, 227-32	64
351	Flammability and Char Formation of Polyamide 66 Fabric: Chemical Grafting versus Pad-Dry Process. <b>2015</b> , 54, 6085-6092	6
350	Flame retardant properties of plasma pre-treated/diamond-like carbon (DLC) coated cotton fabrics. <b>2015</b> , 22, 2797-2809	26
349	Pairing effect and tensile properties of laminated high-performance hybrid composites prepared using carbon/glass and carbon/aramid fibers. <b>2015</b> , 79, 61-66	80
348	Synergistic effects occurring between water glasses and urea/ammonium dihydrogen phosphate pair for enhancing the flame retardancy of cotton. <b>2015</b> , 22, 2825-2835	19
347	Flame Retardants in Commercial Use or Development for Textiles. <b>2015</b> , 265-302	1
346	Flame retardant cellulosic textile using bannana pseudostem sap. <b>2015</b> , 27, 247-261	35
345	Water-soluble polyelectrolyte complexes that extinguish fire on cotton fabric when deposited as pH-cured nanocoating. <i>Polymer Degradation and Stability</i> , <b>2015</b> , 114, 60-64	35
344	Combustion behaviors of cotton fabrics treated by a novel guanidyl- and phosphorus-containing polysiloxane flame retardant. <b>2015</b> , 119, 349-357	27
343	Fabrication and property of discarded denim fabric/polypropylene composites. <b>2015</b> , 44, 798-812	9
342	Flame retardant finishes for textiles. <b>2015</b> , 429-461	10
341	Cotton flame retardancy: state of the art and future perspectives. <b>2015</b> , 5, 24239-24263	110
340	Construction of intumescent flame retardant and antimicrobial coating on cotton fabric via layer-by-layer assembly technology. <b>2015</b> , 276, 726-734	54
339	Advances in Flame Retardant of Different Types of Nanocomposites. <b>2015</b> , 1-13	

# (2015-2015)

338	Intumescence: Tradition versus novelty. A comprehensive review. <b>2015</b> , 51, 28-73	308
337	A Comparative Analysis of Nanoparticle Adsorption as Fire-Protection Approach for Fabrics. <b>2015</b> , 7, 47-68	37
336	Plasma polymerisation of an allyl organophosphate monomer by atmospheric pressure pulsed-PECVD: insights into the growth mechanisms. <b>2015</b> , 5, 4277-4285	6
335	Flame Retardant/Resistant Based Nanocomposites in Textile. <b>2015</b> , 131-165	2
334	Permanent flame retardant finishing of textiles by allyl-functionalized polyphosphazenes. <b>2015</b> , 7, 9349-63	92
333	Synthesis of a novel flame retardant phosphorus/nitrogen/siloxane and its application on cotton fabrics. <b>2015</b> , 85, 701-708	17
332	Preparation and properties of flame-retardant viscose fiber modified with poly[bis(methoxyethoxy)phosphazene]. <b>2015</b> , 16, 1005-1011	12
331	The Influence of Arc-Flash and Fire-Resistant Clothing on Thermoregulation during Exercise in the Heat. <b>2015</b> , 12, 654-67	12
330	How much the fabric grammage may affect cotton combustion?. <b>2015</b> , 22, 3477-3489	20
329	Flame resistant cellulosic substrate using banana pseudostem sap. <b>2015</b> , 17, 123-133	38
328	Eco-friendly flame-retardant treatments for cellulosic green building materials. 2015, 24, 422-432	12
327	Phosphorus-Doped Graphene Oxide Layer as a Highly Efficient Flame Retardant. <b>2015</b> , 21, 15480-5	61
326	Novel synthesis and characterization of conductive and flame retardant textile fabrics. <b>2015</b> , 26, 1551-1557	34
325	Combining product engineering and inherent safety to improve the powder impregnation process. <b>2015</b> , 38, 1-10	3
324	Few durable layers suppress cotton combustion due to the joint combination of layer by layer assembly and UV-curing. <b>2015</b> , 5, 71482-71490	44
323	New Development in Flame Retardant Finishing of Cotton Blend Fabrics. <b>2015</b> , 671, 157-172	2
322	Preparation and properties of cotton fabrics treated with a novel guanidyl- and phosphorus-containing polysiloxane antimicrobial and flame retardant. <b>2015</b> , 142, 35-37	27
321	Flame retardant cotton fibers produced using novel synthesized halogen-free phosphoramide nanoparticles. <b>2015</b> , 118, 183-98	64

320	Flammability properties of paper coated with poly (methylenephosphine), an organophosphorus polymer. <b>2015</b> , 39, 647-657	21
319	Eco-friendly finishing agent for cotton fabrics to improve flame retardant and antibacterial properties. <b>2015</b> , 118, 83-90	108
318	Intumescent flame retardant coatings on cotton fabric of chitosan and ammonium polyphosphate via layer-by-layer assembly. <b>2015</b> , 262, 9-14	92
317	Preparation and flame retardancy of 3-(hydroxyphenylphosphinyl)-propanoic acid esters of cellulose and their fibers. <b>2015</b> , 22, 229-244	13
316	Heat Release Property and Fire Performance of the Nomex/Cotton Blend Fabric Treated with a Nonformaldehyde Organophosphorus System. <b>2016</b> , 8,	3
315	Surface-Engineered Fire Protective Coatings for Fabrics through Sol-Gel and Layer-by-Layer Methods: An Overview. <b>2016</b> , 6, 33	50
314	Application of Flame-Retardant Double-Layered Shell Microcapsules to Nonwoven Polyester. <b>2016</b> , 8,	5
313	Flammability of Cellulose-Based Fibers and the Effect of Structure of Phosphorus Compounds on Their Flame Retardancy. <b>2016</b> , 8,	37
312	Recent Advances for Flame Retardancy of Textiles Based on Phosphorus Chemistry. 2016, 8,	123
311	Recent Advances in the Design of Water Based-Flame Retardant Coatings for Polyester and Polyester-Cotton Blends. <b>2016</b> , 8,	27
310	Improvement of Flame Retardancy of PET Fabric via UV Induced Grafting of Organic Phosphorus Monomer. <b>2016</b> , 72, 200-205	
309	New Flexible Flame Retardant Coatings Based on Siloxane Resin and Ethylene-Vinyl Chloride Copolymer. <b>2016</b> , 8,	5
308	Effects of laundering on military uniform fabric flammability. <b>2016</b> , 40, 599-611	4
307	A new approach designed for improving flame retardancy of intumescent polypropylene via continuous extrusion with supercritical CO2. <b>2016</b> , 6, 112184-112192	9
306	A novel durable and high-phosphorous-containing flame retardant for cotton fabrics. <b>2016</b> , 23, 2211-2220	54
305	Smart Textile Supercapacitors Coated with Conducting Polymers for Energy Storage Applications. <b>2016</b> , 437-477	3
304	Unique nanobrick wall nanocoating for flame-retardant cotton fabric via layer-by-layer assembly technique. <b>2016</b> , 23, 3341-3354	28
303	Sustainable fire retardancy of textiles using bio-macromolecules. <i>Polymer Degradation and Stability</i> , 4.7	66

302	Citric acid based durable and sustainable flame retardant treatment for lyocell fabric. 2016, 153, 78-88		25	
301	Study of PET fibres modified with phosphorusBilicon retardants. <b>2016</b> , 125, 1327-1334		11	
300	DNA-chitosan cross-linking and photografting to cotton fabrics to improve washing fastness of the fire-resistant finishing. <b>2016</b> , 23, 3963-3984		20	
299	Preparation of nucleotide-based microsphere and its application in intumescent flame retardant polypropylene. <b>2016</b> , 121, 394-402		25	
298	Facile synthesis of novel nanocomposite as antibacterial and flame retardant material for textile fabrics. <b>2016</b> , 180, 364-372		33	
297	Durable flame retardant finish for silk fabric using boron hybrid silica sol. <b>2016</b> , 387, 446-453		46	
296	Smoldering and Flame Resistant Textiles Conformal Barrier Formation. <b>2016</b> , 3, 1600617		5	
295	Kinetics of melamine phosphate thermal decomposition in DSC studies. <b>2016</b> , 126, 277-285		6	
294	Flame retardation of cellulose-rich fabrics via a simplified layer-by-layer assembly. <b>2016</b> , 151, 434-440		30	
293	Flame retardants based on amino silanes and phenylphosphonic acid. <i>Polymer Degradation and Stability</i> , <b>2016</b> , 129, 168-179	4.7	26	
292	Green Fashion. <b>2016</b> ,		4	
291	In situ degradation of organophosphorus flame retardant on cellulosic fabric using advanced oxidation process: A study on degradation and characterization. <i>Polymer Degradation and Stability</i> , <b>2016</b> , 126, 1-8	4.7	16	
290	Tuning the Nanocellulose <b>B</b> orate Interaction To Achieve Highly Flame Retardant Hybrid Materials. <b>2016</b> , 28, 1985-1989		74	
289	Multifunctional, strongly hydrophobic and flame-retarded cotton fabrics modified with flame retardant agents and silicon compounds. <i>Polymer Degradation and Stability</i> , <b>2016</b> , 128, 55-64	4.7	45	
288	Green Flame Retardants for Textiles. <b>2016</b> , 171-227		5	
287	Synthesis of 2, 3-dibromo-succinic anhydride and application on cotton, polyester and polyester/cotton blended fabric. <b>2016</b> , 86, 1585-1596		5	
286	Durable flame retardant finishing of cotton fabrics with organosilicon functionalized cyclotriphosphazene. <i>Polymer Degradation and Stability</i> , <b>2016</b> , 128, 22-28	4.7	63	
285	Banana pseudostem sap: A waste plant resource for making thermally stable cellulosic substrate. <b>2016</b> , 46, 1003-1023		22	

284	Improve the flame retardancy of cellulose fibers by grafting zinc ion. <b>2016</b> , 136, 121-7	40
283	Flame retardancy and conductive properties of polyester fabrics coated with polyaniline. <b>2016</b> , 86, 1171-117	9 21
282	Combustion behaviors of cotton fabrics treated by a novel nitrogen- and phosphorus-containing polysiloxane flame retardant. <b>2016</b> , 123, 535-544	39
281	Novel synthesis of nanoparticles-based back coating flame-retardant materials for historic textile fabrics conservation. <b>2017</b> , 46, 1379-1392	17
280	Flammability and thermal properties of cotton fabrics modified with a novel flame retardant containing triazine and phosphorus components. <b>2017</b> , 87, 1367-1376	27
279	Preparation and characterization of solution spinning of protein/cellulose fiber: A new flame-retardant grade. <b>2017</b> , 47, 233-251	7
278	Synergistic effect on flame retardancy and thermal behavior of polycarbonate filled with ∰irconium phosphate@gel-silica. <b>2017</b> , 134,	9
277	From Trans to Cis Conformation: Further Understanding the Surface Properties of Poly(-phenylene isophthalamide). <b>2017</b> , 2, 290-298	12
276	Silk flame retardant finish by ternary silica sol containing boron and nitrogen. 2017, 421, 52-60	17
275	Application of poly(diphenolic acid-phenyl phosphate)-based layer by layer nanocoating in flame retardant ramie fabrics. <b>2017</b> , 134,	7
274	Facile synthesis of an eco-friendly nitrogenphosphorus ammonium salt to enhance the durability and flame retardancy of cotton. <b>2017</b> , 5, 9970-9981	84
273	An effective flame retardant for poly(ethylene terephthalate) synthesized by phosphaphenanthrene and cyclotriphosphazene. <b>2017</b> , 134, 45246	28
272	Vinylphosphonic acid/methacrylamide system as a durable intumescent flame retardant for cotton fabric. <b>2017</b> , 24, 3095-3108	31
271	Synthesis and evaluation of an efficient, durable, and environmentally friendly flame retardant for cotton. <b>2017</b> , 24, 1159-1170	47
270	Influence of silica nanoparticles combined with zinc phosphinate on flame retardant properties of PET. <b>2017</b> , 28, 1919-1928	7
269	Synthesis of smart coating for furniture textile and their flammability and hydrophobic properties. <b>2017</b> , 110, 204-209	21
268	Development and Evaluation of a Water-Based Flame Retardant Spray Coating for Cotton Fabrics. <b>2017</b> , 9, 40782-40791	43
267	Flame Retardant Textile Finishes. <b>2017</b> , 69-127	2

#### (2017-2017)

266	magnesium-oxide microcapsules. <b>2017</b> , 176, 246-256		32
265	Bulk vs. Nano ZnO: Influence of fire retardant behavior on sisal fibre yarn. <b>2017</b> , 175, 257-264		34
264	Novel Method of Ecofriendly Single Bath Dyeing and Functional Finishing of Wool Protein with Coconut Shell Extract Biomolecules. <b>2017</b> , 5, 8323-8333		48
263	Preparation of linear piperazine/phosphorous/polysiloxane copolymer and its application on cotton fabrics. <b>2017</b> , 130, 1997-2005		20
262	Leveraging flame retardant efficacy of pomegranate rind extract, alhovel biomolecule, on ligno-cellulosic materials. <i>Polymer Degradation and Stability</i> , <b>2017</b> , 144, 83-92	4.7	39
261	Liquefaction of waste pine wood and its application in the synthesis of a flame retardant polyurethane foam. <b>2017</b> , 7, 30334-30344		29
260	Construction of multilayer coatings for flame retardancy of ramie fabric using layer-by-layer assembly. <b>2017</b> , 134, 45556		16
259	Design and Synthesis of PET-Based Copolyesters with Flame-Retardant and Antidripping Performance. <b>2017</b> , 38, 1700451		74
258	Solid $\square$ iquid Phase Equilibrium of N,N?-Piperazinebis(neopentylglycol)phosphoramidate in Selected Solvents from T = (293.15 to 333.15) K. <b>2017</b> , 62, 2101-2109		2
257	Phosphorus Flame Retardants. <b>2017</b> , 1-34		
<sup>257</sup>	Phosphorus Flame Retardants. <b>2017</b> , 1-34  Development of fire retardant sisal yarn. <b>2017</b> , 24, 423-434		23
			23
256	Development of fire retardant sisal yarn. <b>2017</b> , 24, 423-434  Influence of Na and Ca on flame retardancy, thermal degradation, and pyrolysis behavior of		
256 255	Development of fire retardant sisal yarn. <b>2017</b> , 24, 423-434  Influence of Na and Ca on flame retardancy, thermal degradation, and pyrolysis behavior of cellulose fibers. <b>2017</b> , 157, 1594-1603  Sustainable Dyeing and Finishing of Textiles Using Natural Ingredients and Water-Free		29
256 255 254	Development of fire retardant sisal yarn. 2017, 24, 423-434  Influence of Na and Ca on flame retardancy, thermal degradation, and pyrolysis behavior of cellulose fibers. 2017, 157, 1594-1603  Sustainable Dyeing and Finishing of Textiles Using Natural Ingredients and Water-Free Technologies. 2017, 99-131	4.7	29
256 255 254 253	Development of fire retardant sisal yarn. 2017, 24, 423-434  Influence of Na and Ca on flame retardancy, thermal degradation, and pyrolysis behavior of cellulose fibers. 2017, 157, 1594-1603  Sustainable Dyeing and Finishing of Textiles Using Natural Ingredients and Water-Free Technologies. 2017, 99-131  Textiles and Clothing Sustainability. 2017,  Development of a new class of brominated polymeric flame retardants based on copolymers of	4.7	29
256 255 254 253 252	Development of fire retardant sisal yarn. 2017, 24, 423-434  Influence of Na and Ca on flame retardancy, thermal degradation, and pyrolysis behavior of cellulose fibers. 2017, 157, 1594-1603  Sustainable Dyeing and Finishing of Textiles Using Natural Ingredients and Water-Free Technologies. 2017, 99-131  Textiles and Clothing Sustainability. 2017,  Development of a new class of brominated polymeric flame retardants based on copolymers of styrene and polybutadiene. <i>Polymer Degradation and Stability</i> , 2017, 135, 99-110	4.7	29 12 2 25

248	Textiles in air filtration. <b>2017</b> , 49, 173-247	12
247	Innovative precursor for manufacturing of superior enhancer of intumescence for paint: Thermal insulative coating for steel structures. <b>2018</b> , 118, 129-140	3
246	Linear polyamidoamines as novel biocompatible phosphorus-free surface-confined intumescent flame retardants for cotton fabrics. <i>Polymer Degradation and Stability</i> , <b>2018</b> , 151, 52-64	39
245	Flame retardancy for cotton cellulose treated with H3PO3. <b>2018</b> , 135, 46497	3
244	Accelerated solvent extraction coupled to high-performance liquid chromatography-tandem mass spectrometry for simultaneous determination of 11 organophosphorus flame retardants in aquatic products. <b>2018</b> , 98, 5287-5293	3
243	Functional Finishing of Textiles via Nanomaterials. <b>2018</b> , 1-70	10
242	High-performance fibers for textiles. <b>2018</b> , 27-58	4
241	Durable flame retardant cellulosic fibers modified with novel, facile and efficient phytic acid-based finishing agent. <b>2018</b> , 25, 799-811	66
240	Influence of grammage on heat release rate of polypropylene fabrics. <b>2018</b> , 36, 30-46	6
239	Molekulare Brandbekfinpfung Iwie moderne Phosphorchemie zur L\(\bar{B}\)ung der Flammschutzaufgabe beitragen kann. <b>2018</b> , 130, 10608-10626	11
238	Molecular Firefighting-How Modern Phosphorus Chemistry Can Help Solve the Challenge of Flame Retardancy. <b>2018</b> , 57, 10450-10467	268
237	Tailoring flame-retardancy and strength of papers via layer-by-layer treatment of cellulose fibers. <b>2018</b> , 25, 2691-2709	15
236	Ultra-fine SiO2 nanofilament-based PMIA: A double network membrane for efficient filtration of PM particles. <b>2018</b> , 202, 357-364	26
235	Developing fire-retardant and water-repellent bio-structural panels using nanocellulose. <b>2018</b> , 8, 257-265	1
234	Fire resistant behaviour of cellulosic textile functionalized with wastage plant bio-molecules: A comparative scientific report. <b>2018</b> , 114, 169-180	35
233	Precursors of Nerve Chemical Warfare Agents with Industrial Relevance: Characteristics and Significance for Chemical Security. <b>2018</b> , 3, 2703-2715	1
232	Universal evaluation of fire retardant properties of fiber mats by the optimal cone calorimeter. <b>2018</b> , 88, 892-903	3
231	Coconut shell extract imparting multifunction properties to ligno-cellulosic material. <b>2018</b> , 47, 1261-1290	22

# (2018-2018)

230	A reactive flame retardant ammonium salt of diethylenetriaminepenta(methylene-phosphonic acid) for enhancing flame retardancy of cotton fabrics. <b>2018</b> , 25, 787-797	31
229	Fabrication of hierarchical feather-mimetic polymer nanofibres. <b>2018</b> , 427, 471-479	4
228	Development of thermally stable and hygienic colored cotton fabric made by treatment with natural coconut shell extract. <b>2018</b> , 48, 87-118	25
227	Flame retardant and hydrophobic cotton fabrics from intumescent coatings. 2018, 1, 177-184	28
226	Synthesis of zinc hydroxystannate microcapsule for improving flame retardancy and smoke suppression of poly(lactic acid). <b>2018</b> , 213, 35-39	10
225	Preparation of microencapsulated carbon microspheres coated by magnesium hydroxide/polyethylene terephthalate flameEetardant functional fibers and its flame retardant properties. <b>2018</b> , 109, 445-454	2
224	Evolution in the surface modification of textiles: a review. <b>2018</b> , 50, 67-108	23
223	Mechanical Assessment of Fire-off on CO/PET Fabrics. <b>2018</b> , 460, 012052	
222	Cotton in the new millennium: advances, economics, perceptions and problems. 2018, 50, 1-66	19
221	Energy and Water Saving Finishing Method for Producing Durable Flame Retardant Cotton Fabric. <b>2018</b> , 460, 012041	
220	Nanocoatings for Smart Textiles. <b>2018</b> , 247-300	8
219	Bio-Macromolecules: A New Flame Retardant Finishing Strategy for Textiles. 2018, 357-385	
218	Significant Trends in Nano Finishes for Improvement of Functional Properties of Fabrics. 2018, 387-434	3
217	Sustainable Coloration and Value Addition to Textiles. <b>2018</b> , 521-547	1
216	Green Engineered Functional Textile Materials. 2018, 263-287	О
215	Green and Sustainable Textile Materials Using Natural Resources. 2018, 213-261	14
214	Inherently Flame Retardant Nylon 6 Nanocomposite Fibers. <b>2018</b> , 19, 1500-1512	5
213	Recent Advances in Protective Textile Materials. <b>2018</b> , 55-86	4

212 Synthesis of zinc carbonate nanoneedles, a potential flame retardant for cotton textiles. **2018**, 25, 6191-6205 28

211	Fire-resistant natural fibre-reinforced composites from flame retarded textiles. <i>Polymer Degradation and Stability</i> , <b>2018</b> , 154, 115-123	24
<b>21</b> 0	Utilization of surface differences to improve dyeing properties of poly(m-phenylene isophthalamide) membranes. <b>2018</b> , 12, 129-138	2
209	Multifunctional modification of linen fabric using chitosan-based formulations. <b>2018</b> , 118, 896-902	44
208	An Overview on the Use of Lignin and Its Derivatives in Fire Retardant Polymer Systems. 2018,	22
207	Characterization of the corn husk fibre and improvement in its thermal stability by banana pseudostem sap. <b>2018</b> , 25, 5241-5257	22
206	Environmentally Sustainable Flame Retardant Surface Treatments for Textiles: The Potential of a Novel Atmospheric Plasma/UV Laser Technology. <b>2018</b> , 6, 31	16
205	Multifunctional, Hydrophobic and Flame-retarded Cotton Fabrics Modified with Liner Piperzine/Phosphorous/Polysiloxane Copolymer. <b>2018</b> , 19, 861-867	18
204	Finishing of carpets for value addition. <b>2018</b> , 175-211	1
203	Flammability characteristics of chemical treated woven hemp fabric reinforced vinyl ester composites. <b>2018</b> , 30, 174-188	7
202	Tuning the Nanoscale Properties of Phosphorylated Cellulose Nanofibril-Based Thin Films To Achieve Highly Fire-Protecting Coatings for Flammable Solid Materials. <b>2018</b> , 10, 32543-32555	14
201	ZnO Microstructures as Flame-Retardant Coatings on Cotton Fabrics. <b>2018</b> , 3, 6330-6338	23
200	White paper on the future of plasma science and technology in plastics and textiles. <b>2019</b> , 16, 1700228	51
199	Advances in Nanotechnology Based Functional, Smart and Intelligent Textiles: A Review. <b>2019</b> , 253-290	18
198	Development of a flame retardant chemical for finishing of cotton, polyester, and CO/PET blends. <b>2019</b> , 49, 141-161	15
197	Sodium lignin sulfonate: a bio-macromolecule for making fire retardant cotton fabric. <b>2019</b> , 26, 8191-8208	32
196	Environmentally-Friendly Textile Finishing. <b>2019</b> , 101-129	3
195	Functional Finishes for Cotton-Based Textiles: Current Situation and Future Trends. <b>2019</b> , 131-190	10

194	Synthesis, Characterization, and Thermal Behavior of Nanoparticles of Mg(OH)2 to Be Used as Flame Retardants. <b>2019</b> , 2019, 1-6	4
193	Synthesis of intrinsically flame-retardant copolyamides and their employment in PA6-fibers. <b>2019</b> , 30, 2872-2882	3
192	Extraction of Functional Dyes from Tea Stem Waste in Alkaline Medium and Their Application for Simultaneous Coloration and Flame Retardant and Bioactive Functionalization of Silk. <b>2019</b> , 7, 18405-18413	18
191	Flame-retardant cotton fabrics modified with phosphoramidate derivative via electron beam irradiation process. <b>2019</b> , 152808371988181	3
190	Flame retardant polyester fabric from nitrogen-rich low molecular weight additives within intumescent nanocoating. <i>Polymer Degradation and Stability</i> , <b>2019</b> , 170, 108998	28
189	Hybrid Silica-Phytic Acid Coatings: Effect on the Thermal Stability and Flame Retardancy of Cotton. <b>2019</b> , 11,	13
188	Biomacromolecules and Bio-Sourced Products for the Design of Flame Retarded Fabrics: Current State of the Art and Future Perspectives. <b>2019</b> , 24,	23
187	A Green Water-Soluble Cyclophosphazene as a Flame Retardant Finish for Textiles. <b>2019</b> , 24,	13
186	Synthesis and application of self-crosslinking and flame retardant waterborne polyurethane as fabric coating agent. <b>2019</b> , 137, 105323	14
185	A novel monosodium-glutamate-based flame retardant containing phosphorus for cotton fabrics. <b>2019</b> , 26, 2715-2728	14
184	Sodium tri-polyphosphate in combination with pomegranate rind extracts as a novel fire-retardant composition for cellulosic polymer. <b>2019</b> , 137, 1233-1247	13
183	Thermal behaviour and the cone calorimetric analysis of the jute fabric treated in different pH condition. <b>2019</b> , 135, 3095-3105	12
182	Processing bulk natural bamboo into a strong and flame-retardant composite material. <b>2019</b> , 138, 111478	27
181	Ultra-small SiO2 nanospheres self-pollinated on flower-like MoS2 for simultaneously reinforcing mechanical, thermal and flame-retardant properties of polyacrylonitrile fiber. <b>2019</b> , 174, 107037	30
180	Lightweight, Elastomeric, and Flame-Retardant Foams from Expanded Chlorinated Polymers. <b>2019</b> , 304, 1900145	4
179	Production of fire-retardant phosphorylated cellulose fibrils by twin-screw extrusion with low energy consumption. <b>2019</b> , 26, 5635-5651	21
178	Flame-retardant composite coatings for cotton fabrics fabricated by using oxygen plasma-induced polymerization of vinyl phosphonic acid/cyclotetrasiloxane. <b>2019</b> , 89, 5053-5066	13
177	Highly efficient flame-retardant and soft cotton fabric prepared by a novel reactive flame retardant. <b>2019</b> , 26, 4225-4240	38

176	NanoTiO@DNA complex: a novel eco, durable, fire retardant design strategy for cotton textiles. <b>2019</b> , 546, 174-183		36
175	Effect of Zinc Borate on Flammability of PET Woven Fabrics. <b>2019</b> , 2019, 1-13		8
174	Syntheses of intrinsically flame-retardant polyamide 6 fibers and fabrics. 2019, 136, 47829		12
173	Bio-inspired lightweight pulp foams with improved mechanical property and flame retardancy via borate cross-linking. <b>2019</b> , 371, 34-42		28
172	Sulfenamides in synergistic combination with halogen free flame retardants in polypropylene.  Polymer Degradation and Stability, <b>2019</b> , 164, 75-89	<b>1</b> .7	20
171	A reinforced thermal barrier coat of a Na-tannic acid complex from the view of thermal kinetics <b>2019</b> , 9, 10914-10926		10
170	Wastage pomegranate rind extracts (PRE): a one step green solution for bioactive and naturally dyed cotton substrate with special emphasis on its fire protection efficacy. <b>2019</b> , 26, 3601-3623		14
169	Preparation and characterization of a novel transparent flame retardant unsaturated phosphate ester polymer. <b>2019</b> , 59, E425-E431		3
168	Polyimide-coated fabrics with multifunctional properties: Flame retardant, UV protective, and water proof. <b>2019</b> , 136, 47616		15
167	Sulfur-Based Copolymeric Polyamidoamines as Efficient Flame-Retardants for Cotton. <b>2019</b> , 11,		8
166	A Phosphorous-Aluminium-Nitride Synergistic Flame Retardant to Enhance Durability and Flame Retardancy of Cotton. <b>2019</b> , 4, 13952-13958		3
165	Mechanical and functional evaluations of flaming-retardant/far-infrared composite nonwoven fabrics. <b>2019</b> , 110, 186-195		2
164	UV-curable acrylic coatings containing biomacromolecules: A new fire retardant strategy for ethylene-vinyl acetate copolymers. <b>2019</b> , 127, 330-337		14
163	Preparation and evaluation of an eco-friendly, reactive, and phytic acid-based flame retardant for wool. <b>2019</b> , 134, 58-66		24
162	Textile finishing with biomacromolecules: A low environmental impact approach in flame retardancy. <b>2019</b> , 251-279		1
161	Synthesis and Characterization of Easily Colored Meta-aramid Copolymer Containing Ether Bonds. <b>2019</b> , 37, 227-234		7
160	Influence of the hybrid ratio and stacking sequence on mechanical and damping properties of hybrid composites. <b>2019</b> , 40, 2368-2380		10
159	Room temperature decomposition of dimethyl methylphosphonate on cuprous oxide yields atomic phosphorus. <b>2019</b> , 680, 75-87		15

## (2020-2019)

158	Efficient Fabrication of Sustainable Building Products from Annually Generated Non-wood Cellulosic Fibres and Bioplastics with Improved Flammability Resistance. <b>2019</b> , 10, 1167-1175	11
157	Manufacturing techniques and property evaluations of sandwich-structured composite materials with electromagnetic shielding, flame retardance, and far-infrared emissivity. <b>2020</b> , 22, 2075-2088	1
156	Chemical modifications of polysaccharides and their anti-tumor activities. <b>2020</b> , 229, 115436	75
155	Flame retardant cellulosic fabrics via layer-by-layer self-assembly double coating with egg white protein and phytic acid. <b>2020</b> , 243, 118641	56
154	Naturally-occurring bromophenol to develop fire retardant gluten biopolymers. <b>2020</b> , 243, 118552	12
153	Kinetic study of copolymerized PMIA with ether moiety under air pyrolysis. <b>2020</b> , 140, 283-293	3
152	Technical textiles for military applications. <b>2020</b> , 111, 273-308	20
151	A facile strategy to fabricate cellulose-based, flame-retardant, transparent and anti-dripping protective coatings. <b>2020</b> , 379, 122270	25
150	Study of a newly structuralized meta-aramid/cotton blended yarn for fabrics with enhanced flame-resistance. <b>2020</b> , 90, 489-502	4
149	Experimental investigation of mechanical, thermal, and flame-retardant property of polyamide 6/phenoxyphosphazene fibers. <b>2020</b> , 137, 48458	3
148	An eco-friendly and effective flame retardant coating for cotton fabric based on phytic acid doped silica sol approach. <b>2020</b> , 141, 105539	28
147	Construction of anti-flame network structures in cotton fabrics with pentaerythritol phosphate urea salt and nano SiO2. <b>2020</b> , 507, 145175	14
146	A novel, eco-friendly and durable flame-retardant cotton-based hyperbranched polyester derivative. <b>2020</b> , 27, 2357-2368	14
145	Application of tannic acid and ferrous ion complex as eco-friendly flame retardant and antibacterial agents for silk. <b>2020</b> , 250, 119545	30
144	Flame retardant property of flax fabrics coated by extracellular polymeric substances recovered from both activated sludge and aerobic granular sludge. <b>2020</b> , 170, 115344	32
143	Phytic acid/silica organic-inorganic hybrid sol system: a novel and durable flame retardant approach for wool fabric. <b>2020</b> , 9, 700-708	11
142	Amorphous cobalt borate nanosheets grown on MoS2 nanosheet for simultaneously improving the flame retardancy and mechanical properties of polyacrylonitrile composite fiber. <b>2020</b> , 201, 108298	14
141	A synergistic flame retardant of glycosyl cross-linking boron acid and ammonium salt of phytic acid to enhance durable flame retardancy of cotton fabrics. <b>2020</b> , 27, 9699-9710	11

Solgel technique for protective textile and clothing. **2020**, 1-17

139	Fire-resistant behavior of cellulosic textile material functionalized with biomolecules. <b>2020</b> , 63-80	1
138	The fire performance of polyamide66 fabric coated with soybean protein isolation. <b>2020</b> , 148, 105835	2
137	An overview of fire retardant treatments for synthetic textiles: From traditional approaches to recent applications. <b>2020</b> , 137, 109911	23
136	Exploration of flame retardant efficacy of cellulosic fabric using in-situ synthesized zinc borate particles. <b>2020</b> , 27, 9061-9073	11
135	Facile preparation of effective flame retardant silk fabric by the metal salt adsorption approach.  Polymer Degradation and Stability, <b>2020</b> , 182, 109378  4·7	3
134	Rationally designed zinc borate@ZIF-8 core-shell nanorods for curing epoxy resins along with low flammability and high mechanical property. <b>2020</b> , 200, 108349	24
133	Phytic acid-based flame retardants for cotton. <b>2020</b> , 8, 123-130	4
132	Facile preparation of an effective intumescent flame-retardant coating for cotton fabric. 2020, 8, 315-322	4
131	Interfacial growth of 2D bimetallic metal-organic frameworks on MoS2 nanosheet for reinforcements of polyacrylonitrile fiber: From efficient flame-retardant fiber to recyclable photothermal materials. <b>2020</b> , 397, 125410	20
130	A Flame-Retardant Phytic-Acid-Based LbL-Coating for Cotton Using Polyvinylamine. 2020, 12,	9
129	Configuration of a unique antibacterial needle-punched nonwoven fabric from silver impregnated polyester nanocomposite fibres. <b>2020</b> , 152808372092472	4
128	Thermal characterization of fire-protective fabrics. <b>2020</b> , 355-387	1
127	Advances in Functional Finishing of Textiles. <b>2020</b> ,	2
126	A phytic acid-based chelating coordination embedding structure of phosphorusBoronBitride synergistic flame retardant to enhance durability and flame retardancy of cotton. <b>2020</b> , 27, 4817-4829	19
125	Sustainability in the Textile and Apparel Industries. <b>2020</b> ,	3
124	PET Fibers Modified with Cloisite Nanoclay. <b>2020</b> , 12,	8
123	Hybrid coatings for durable flame retardant and hydrophilic treatment of Polyamide 6.6 fabrics. <b>2020</b> , 144, 105640	7

122	Nanoparticles: a potential alternative to classical fire retardants for textile substrates. <b>2020</b> , 265-278	2
121	Phytic Acid and Biochar: An Effective All Bio-Sourced Flame Retardant Formulation for Cotton Fabrics. <b>2020</b> , 12,	25
120	A research on effect of surface treatment conditions on flammability and water repellency properties of drapery fabrics produced from micro polyester yarns. <b>2021</b> , 112, 233-242	1
119	Investigation of the flammability properties of a cotton and elastane blend denim fabric in the presence of boric acid, borax, and nano-SiO2. <b>2021</b> , 112, 1080-1092	1
118	Cotton fabric finishing based on phosphate/clay mineral by direct-coating technique and its influence on the thermal stability of the fibers. <b>2021</b> , 150, 105949	5
117	In-situ phosphine oxide physical networks: A facile strategy to achieve durable flame retardant and antimicrobial treatments of cellulose. <b>2021</b> , 417, 128028	15
116	The use of model cellulose gel beads to clarify flame-retardant characteristics of layer-by-layer nanocoatings. <b>2021</b> , 255, 117468	7
115	Nanocoatings by solgel processes for functionalization of polymer surfaces and textiles. <b>2021</b> , 1-23	
114	Impact of weft yarn type and fabric weft density on burning behavior, tearing strength and air permeability for different types of antibacterial drapery fabrics. <b>2021</b> , 69, 4-16	0
113	A novel biomass vitamin B6-based flame retardant for lyocell fibers. <b>2021</b> , 28, 3201-3214	4
113	A novel biomass vitamin B6-based flame retardant for lyocell fibers. 2021, 28, 3201-3214  Calcium Borate Particles: Synthesis and Application on the Cotton Fabric as an Emerging Fire Retardant. 1-13	7
	Calcium Borate Particles: Synthesis and Application on the Cotton Fabric as an Emerging Fire	
112	Calcium Borate Particles: Synthesis and Application on the Cotton Fabric as an Emerging Fire Retardant. 1-13  Development of geopolymer derived from slag waste based composite film on cotton fabric: A	7
112	Calcium Borate Particles: Synthesis and Application on the Cotton Fabric as an Emerging Fire Retardant. 1-13  Development of geopolymer derived from slag waste based composite film on cotton fabric: A preliminary approach for flame retardant behavior. 2021, 15, 101052  Synergistic Effect and Flame-retardant Properties of Small Molecular Organic Amines and	7
112 111 110	Calcium Borate Particles: Synthesis and Application on the Cotton Fabric as an Emerging Fire Retardant. 1-13  Development of geopolymer derived from slag waste based composite film on cotton fabric: A preliminary approach for flame retardant behavior. 2021, 15, 101052  Synergistic Effect and Flame-retardant Properties of Small Molecular Organic Amines and Phosphates. 2021, 22, 936-941  Flame retardant polymer materials: An update and the future for 3D printing developments. 2021,	7 3 0
112 111 110 109	Calcium Borate Particles: Synthesis and Application on the Cotton Fabric as an Emerging Fire Retardant. 1-13  Development of geopolymer derived from slag waste based composite film on cotton fabric: A preliminary approach for flame retardant behavior. 2021, 15, 101052  Synergistic Effect and Flame-retardant Properties of Small Molecular Organic Amines and Phosphates. 2021, 22, 936-941  Flame retardant polymer materials: An update and the future for 3D printing developments. 2021, 144, 100604  Construction of durable eco-friendly biomass-based flame-retardant coating for cotton fabrics. 2021, 410, 128361  Borate functionalized caramel as effective intumescent flame retardant for wool fabric. <i>Polymer</i>	7 3 0
112 111 110 109 108	Calcium Borate Particles: Synthesis and Application on the Cotton Fabric as an Emerging Fire Retardant. 1-13  Development of geopolymer derived from slag waste based composite film on cotton fabric: A preliminary approach for flame retardant behavior. 2021, 15, 101052  Synergistic Effect and Flame-retardant Properties of Small Molecular Organic Amines and Phosphates. 2021, 22, 936-941  Flame retardant polymer materials: An update and the future for 3D printing developments. 2021, 144, 100604  Construction of durable eco-friendly biomass-based flame-retardant coating for cotton fabrics. 2021, 410, 128361  Borate functionalized caramel as effective intumescent flame retardant for wool fabric. <i>Polymer</i>	7 3 0 52 54

104	High efficient flame retardant finishing of PET fabric using eco-friendly DOPO. 1-8		2
103	Sodium Lignin Sulfonate (SLS) and Pomegranate Rind Extracts (PRE) Bio-macro-molecule: A Novel Composition for Making Fire Resistant Cellulose Polymer. 1-19		2
102	Tannin based polyphenolic bio-macromolecules: Creating a new era towards sustainable flame retardancy of polymers. <i>Polymer Degradation and Stability</i> , <b>2021</b> , 189, 109603	4.7	17
101	Superhydrophobic and flame-retardant alginate fabrics prepared through a one-step dip-coating surface-treatment. <b>2021</b> , 28, 5973		7
100	An overview of alginates as flame-retardant materials: Pyrolysis behaviors, flame retardancy, and applications. <b>2021</b> , 260, 117827		34
99	Phytic acid: A bio-based flame retardant for cotton and wool fabrics. <b>2021</b> , 164, 113349		29
98	Wet or dry multifunctional coating prepared by visible light polymerisation with fire retardant, thermal protective, and antimicrobial properties. <b>2021</b> , 28, 8821-8840		2
97	The preparation of intrinsic DOPO-Cinnamic flame-retardant cellulose and its application for lithium-ion battery separator. <b>2021</b> , 8, 076404		1
96	Demonstration of an all-in-one solution for fire safe upholstery furniture: A benign backcoating for smoldering and flame-resistant cover fabrics.		2
95	Addition of Al(OH)3 versus AlO(OH) nanoparticles on the optical, thermo-mechanical and heat/oxygen transmission properties of microfibrillated cellulose films. <b>2021</b> , 28, 9441-9460		
94	Silica-encapsulated red phosphorus for flame retardant treatment on textile. <b>2021</b> , 25, 101252		3
93	Smoldering suppression and synergistic effect of alginate fiber-based composite paper by flame-retardant lyocell fiber. <b>2022</b> , 139, 51580		1
92	Durable flame-retardant behavior of cotton textile with a water-based ammonium vinyl phosphonate. <i>Polymer Degradation and Stability</i> , <b>2021</b> , 191, 109658	4.7	3
91	Functionalization of silk fabric using phytate urea salt for durable flame retardant performance. <b>2021</b> , 28, 102673		1
90	Facile microwave assisted flame retardant treatment for cotton fabric using a biobased industrial byproduct: phytic acid. <b>2021</b> , 28, 10655		1
89	Preparation of nano-Mg(OH)2 for surface coating of silk fabric with improved flame retardancy and smoke suppression. <b>2021</b> , 625, 126868		1
88	Flame-retardant and anti-dripping coating for PET fabric with hydroxyl-containing cyclic phosphoramide. <i>Polymer Degradation and Stability</i> , <b>2021</b> , 192, 109699	4.7	3
87	Eco-friendly coating based on an intumescent flame-retardant system for viscose fabrics with multi-function properties: Flame retardancy, smoke suppression, and antibacterial properties. <b>2021</b> , 159, 106400		6

## (2020-2021)

86	Facile preparation of a sustainable and reactive flame retardant for silk fabric using plant extracts. <b>2021</b> , 171, 113966	0
85	Eco-friendly, less toxic, and washing-durable flame-retardant finishing for cotton fabrics using a blocked isocyanate and 3-(dimethylphosphono)-N-methylolpropionamide. <b>2021</b> , 273, 125149	3
84	Delayed Flammability for Natural Fabrics by Deposition of Silica Core-Amine Shell Microspheres through Dip-Coating Process. <b>2021</b> , 8, 100164	1
83	Recent trends in chemical modification and antioxidant activities of plants-based polysaccharides: A review. <b>2021</b> , 2, 100045	10
82	Green chemistry in textile and fashion. <b>2021</b> , 177-203	1
81	Biomacromolecules and bio-sourced products as flame retardants for textiles: a novel approach toward sustainability. <b>2021</b> , 27-55	1
80	Nanomaterials in Textiles. 559-572	2
79	Synergistic contribution on flame retardancy by charring production in high-performance PEI/PBT/PTFE ternary blends: The role of PTFE. <b>2021</b> , 32, 1615-1625	2
78	Sustainable Finishing Process Using Natural Ingredients. <b>2020</b> , 129-146	1
77	Environmental Profile of Nano-finished Textile Materials: Implications on Public Health, Risk Assessment, and Public Perception. <b>2020</b> , 57-83	1
76	Caramel product from glucose as a sustainable and effective flame retardant for silk fabric. <b>2020</b> , 266, 121977	2
75	Functional cotton fabric using hollow glass microspheres: Focus on thermal insulation, flame retardancy, UV-protection and acoustic performance. <b>2020</b> , 141, 105553	22
74	Synthesis of a reactive boron-based flame retardant to enhance the flame retardancy of silk. <b>2020</b> , 156, 104731	9
73	Potential Applications of Sustainable Polymers in Functionalization of Cellulosic Textile Materials. <b>2016</b> , 248-297	4
<del>72</del>	Synthesis of a phosphoramidate flame retardant and its flame retardancy on cotton fabrics. <b>2020</b> , 20, 550-560	4
71	Functionalization of Textile Materials with Nanoclay Incorporation for Improved Characteristics.	2
70	Insulating Thermal and Water-Resistant Hybrid Coating for Fabrics. <b>2020</b> , 10, 72	6
69	Analysis of Combustion Process of Protective Coating Paints. <b>2020</b> , 12, 4008	1

68	Fire Self-Extinguishing Cotton Fabric: Development of Piperazine Derivatives Containing Phosphorous-Sulfur-Nitrogen and Their Flame Retardant and Thermal Behaviors. <b>2014</b> , 05, 789-802	4
67	Analytical Assessment of the Thermal Decomposition of Cotton-modacryl Knitted Fabrics. <b>2017</b> , 25, 59-67	1
66	A novel polydimethylsiloxane comb-shaped copolymer containing PN elements toward cotton fabrics: flame retardancy and antibacterial property. <b>2021</b> , 28, 11595	О
65	B-N-P-linked covalent organic frameworks for efficient flame retarding and toxic smoke suppression of polyacrylonitrile composite fiber. <b>2021</b> , 133120	2
64	Effect of structural parameters on burning behavior of polyester fabrics having flame retardancy property. <b>2017</b> , 254, 052003	
63	Directions of the Finishing of Fibres and Textile Development. <b>2018</b> , 26, 133-141	2
62	GÜTUTUÜR POLÜROPÜEN POLÜMERÜVE LÜ UYGULAMALARINDA SON GELÜMELER VE GELECEK BEKLENTÜERÜ609-632	1
61	A Comparative Thermal Analysis of Fire-off Treated Cotton, Polyester and Co/PET Fabrics.	
60	Insights into Phosphorus-Containing Flame Retardants and Their Textile Applications. 2020, 231-255	
59	Fire hazard of textile materials based on polyester fibers for rail vehicles. <b>2020</b> , 29, 32-42	
58	Chemically modified wool waste keratin for flame retardant cotton finishing. 2021, 100319	2
57	Synergistic Effect of Screen-Printed Single-Walled Carbon Nanotubes and Phosphorylated Cellulose Nanofibrils on Thermophysiological Comfort, Thermal/UV Resistance, Mechanical and Electroconductive Properties of Flame-Retardant Fabric. <b>2021</b> , 14,	O
56	A phosphorous/nitrogen-containing flame retardant with UV-curing for polyester/cotton fabrics. <b>2022</b> , 29, 1263-1281	2
55	Hydrothermal aging of polyimide film. 52183	1
54	Layer-by-Layer Deposition: A Promising Environmentally Benign Flame-Retardant Treatment for Cotton, Polyester, Polyamide and Blended Textiles <b>2022</b> , 15,	5
53	Durable and high-efficiency casein-derived phosphorus-nitrogen-rich flame retardants for cotton fabrics. <b>2022</b> , 29, 2681	1
52	Silica incorporated cellulose fibres as green concept for textiles with reduced flammability. <i>Polymer Degradation and Stability</i> , <b>2022</b> , 195, 109808	3
51	Synthesis of a phosphorus- and nitrogen-containing flame retardant and the fabrication of flame retardant cotton. 004051752210740	O

50	A novel strategy to fabricate nylon 6 based flame retardant microfiber nonwoven fabric with durability. <b>2022</b> , 641, 128482		О
49	Sustainability: flame-retardant cellulose that is comfortable. <b>2022</b> , 70, 31-33		
48	The Thermo-Oxidative Behavior of Cotton Coated with an Intumescent Flame Retardant Glycine-Derived Polyamidoamine: A Multi-Technique Study <b>2021</b> , 13,		4
47	Synergistic effect of screen-printed Al(OH)3 nanoparticles and phosphorylated cellulose nanofibrils on the thermophysiological comfort and high-intensive heat protection properties of flame-retardant fabric. 152808372210823		O
46	Evaluation of an eco-friendly flame retardant treatment applied to cellulosic textiles used for the conservation of historical tapestries. <i>Polymer Degradation and Stability</i> , <b>2022</b> , 199, 109907	4.7	1
45	Bio-based coating of phytic acid, chitosan, and biochar for flame-retardant cotton fabrics. <i>Polymer Degradation and Stability</i> , <b>2022</b> , 199, 109898	4.7	3
44	Silicon-Based Flame Retardants. <b>2021</b> , 271-308		
43	Novel and durable flame-retardant modification based on the Schiff base and Pudovik reaction for wool fabric. 004051752110639		
42	Flame retardant and antibacterial coating on cotton fabric by layer-by-layer assembly with huntite-hydromagnesite, ammonium polyphosphate, chitosan and APTES.		
41	Extracellular Polymeric Substances in Textile Industry. <b>2022</b> , 23-40		
41 40	Extracellular Polymeric Substances in Textile Industry. 2022, 23-40  A novel flame-retardant system toward polyester fabrics: flame retardant, anti-dripping and smoke suppression. 2022, 29, 1		0
	A novel flame-retardant system toward polyester fabrics: flame retardant, anti-dripping and smoke		0
40	A novel flame-retardant system toward polyester fabrics: flame retardant, anti-dripping and smoke suppression. <b>2022</b> , 29, 1	4.7	
40	A novel flame-retardant system toward polyester fabrics: flame retardant, anti-dripping and smoke suppression. 2022, 29, 1  Phospha-Mannich reactions of PH3 and its analogs. 2022, 197, 277-326  The development of phosphorus-doped hybrid silica sol coating for silk with durable flame	4.7	O
40 39 38	A novel flame-retardant system toward polyester fabrics: flame retardant, anti-dripping and smoke suppression. 2022, 29, 1  Phospha-Mannich reactions of PH3 and its analogs. 2022, 197, 277-326  The development of phosphorus-doped hybrid silica sol coating for silk with durable flame retardancy. <i>Polymer Degradation and Stability</i> , 2022, 109974  Potential Application of Plant-Based Derivatives as Green Components in Functional Coatings: A	4.7	0
40 39 38 37	A novel flame-retardant system toward polyester fabrics: flame retardant, anti-dripping and smoke suppression. 2022, 29, 1  Phospha-Mannich reactions of PH3 and its analogs. 2022, 197, 277-326  The development of phosphorus-doped hybrid silica sol coating for silk with durable flame retardancy. <i>Polymer Degradation and Stability</i> , 2022, 109974  Potential Application of Plant-Based Derivatives as Green Components in Functional Coatings: A review. 2022, 100097  Durable flame-retardant cotton fabrics with tannic acid complexed by various metal ions. <i>Polymer</i>		0 0
40 39 38 37 36	A novel flame-retardant system toward polyester fabrics: flame retardant, anti-dripping and smoke suppression. 2022, 29, 1  Phospha-Mannich reactions of PH3 and its analogs. 2022, 197, 277-326  The development of phosphorus-doped hybrid silica sol coating for silk with durable flame retardancy. Polymer Degradation and Stability, 2022, 109974  Potential Application of Plant-Based Derivatives as Green Components in Functional Coatings: A review. 2022, 100097  Durable flame-retardant cotton fabrics with tannic acid complexed by various metal ions. Polymer Degradation and Stability, 2022, 109997		0 0 0

32	Wastage Tea (Camellia Sinensis) Extract: A Natural Green Flame Retardant and Suppressant for Cotton Textiles. 1-12	0
31	Reactive Printing and Wash Fastness of Inherent Flame Retardant Fabrics for Dual Use. <b>2022</b> , 15, 4791	O
30	Recent developments in phosphorus based flame retardant coatings for textiles: Synthesis, applications and performance. <b>2022</b> , 171, 107027	O
29	Covalent flame-retardant functionalization of wool fabric using ammonium phytate with improved washing durability. <b>2022</b> , 187, 115332	O
28	A Review of the Recent Developments in flame-retardant Nylon Composites. 2022, 100297	
27	Meyan K@Ekstrakt## Pamuk ve Pamuk-Poliester Kar#nl#Kuma@rda G@Tutu@rlu# Etkisinin @Gelenmesi. 351-366	
26	One-step flame retardant/hydrophobic finishing on cotton fabric with ammonium salt of hexamethylenediamine - N, N, N?, N? - tetra (methylphosphonic acid) doped silica sol.	
25	Fabrication of a Thermoregulating Cotton Fabric with Enhanced Flame Retardancy via Layer-by-layer Assembly.	
24	Ecofriendly Single-Bath Acid Dyeing and Multifunctional Finishing of Silk Fabric Using Coconut Shell Extract. <b>2022</b> , 137-160	
23	Development of natural fiber-reinforced flame-retardant polymer composites. 2022, 369-389	O
22	Core-Shell Nanofibers With Fire Retardant Properties Prepared By A Co-Axial Electrospinning Technique. <b>2022</b> , 7,	1
21	N-substituted cyclic phosphoramides as flame-retardant and anti-dripping coatings for PET fabric. <b>2022</b> , 34, 102409	O
20	Exposure to flame retardants in European children lessults from the HBM4EU aligned studies. <b>2023</b> , 247, 114070	0
19	Fire-resistant and flame-retardant surface finishing of polymers and textiles: A state-of-the-art review. <b>2023</b> , 175, 107330	O
18	Phosphorylation of Kapok Fiber with Phytic Acid for Enhanced Flame Retardancy. 2022, 23, 14950	O
17	Preparation of a Reactive Phosphorus/nitrogen-Based Intumescent Flame Retardant Coating for Cotton Fabrics. <b>2023</b> , 20,	O
16	Eco-friendly Modal/alginate knitted fabrics with intrinsic flame retardancy and wearability.	O
15	N-Containing Hybrid Composites Coatings for Enhanced Fire-Retardant Properties of Cotton Fabric Using One-Pot Sol <b>©</b> el Process. <b>2023</b> , 15, 258	O

#### CITATION REPORT

14	Combustion properties of paper treated with chicken egg shell: A potential solid waste. <b>2023</b> , 32, 100930	Ο
13	A review on the state of flame-retardant cotton fabric: Mechanisms and applications. <b>2023</b> , 194, 116264	О
12	Construction of a sustainable, reactive and phytate-based intumescent flame-retardant for silk textile. <b>2023</b> , 211, 110339	0
11	A novel green phosphorus-containing flame retardant finishing on polysaccharide-modified polyamide 66 fabric for improving hydrophilicity and durability. <b>2023</b> , 239, 124252	O
10	Integrating molecular basis of sustainability to teaching learning sequence of fireretardant bamboo as sustainable material: Results from qualitative content analysis. <b>2022</b> ,	0
9	Preparation of a copper porphyrin derivative and its surface modification for simultaneously endowing PET fibers with dyeing, flame retardant and anti-dripping performance. <b>2023</b> , 209, 110273	О
8	Polyaniline/aramid composite for carbon dioxide capture.	0
7	CarbonKevlar intraply hybrid fabric polymer composites: mechanical performance. 2023, 32, 633-645	О
6	A Review of Durable Flame-Retardant Fabrics by Finishing: Fabrication Strategies and Challenges.	О
5	An amino trimethylene phosphonic acid-based chelated boric acid complex that works as a synergistic flame retardant for enhancing the flame retardancy of cotton fabrics. <b>2023</b> , 70, 159-170	O
4	Fabricating of flame retardant and antibacterial lyocell fabric based on thiamine pyrophosphate modification.	О
3	Preparation of acrylic emulsion coating with melamine polyphosphate, pentaerythritol and titanium dioxide for flame retardant cotton/polyethylene terephthalate blend fabrics. <b>2023</b> , 110366	O
2	On the Suitability of Phosphonate-Containing Polyamidoamines as Cotton Flame Retardants. <b>2023</b> , 15, 1869	0
1	Functionalized nanofibers as fire-retardant fabrics. <b>2023</b> , 893-921	O