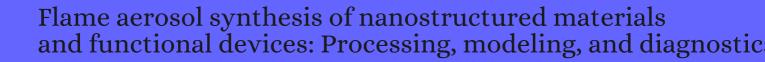
## CITATION REPORT List of articles citing



DOI: 10.1016/j.pecs.2016.04.002 Progress in Energy and Combustion Science, 2016, 55, 1-59.

Source: https://exaly.com/paper-pdf/64017708/citation-report.pdf

Version: 2024-04-28

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

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

#	Paper	IF	Citations
213	Effects of Acoustic Modulation and Mixed Fuel on Flame Synthesis of Carbon Nanomaterials in an Atmospheric Environment. <b>2016</b> , 9,		4
212	Flame synthesis of novel ternary nanocatalysts Pd/CeO2TiO2 with promotional low-temperature catalytic oxidation properties. <b>2017</b> , 36, 1029-1036		8
211	Investigation of discharged aerosol nanoparticles during chemical precipitation and spray pyrolysis for developing safety measures in the nano research laboratory. <b>2017</b> , 139, 116-123		6
<b>2</b> 10	Influence of flame-generated ions on the simultaneous charging and coagulation of nanoparticles during combustion. <b>2017</b> , 51, 833-844		18
209	Illuminating the earliest stages of the soot formation by photoemission and Raman spectroscopy. <b>2017</b> , 181, 188-197		25
208	New large-scale production route for synthesis of lithium nickel manganese cobalt oxide. <b>2017</b> , 21, 340	3-341(	0 5
207	Electrical characterization of flame-soot nanoparticle thin films. 2017, 229, 89-99		7
206	Cluster formation mechanisms of titanium dioxide during combustion synthesis: Observation with an APi-TOF. <b>2017</b> , 51, 1071-1081		13
205	Atmospheric NOx removal: Study of cement mortars with iron- and vanadium-doped TiO2 as visible lightBensitive photocatalysts. <b>2017</b> , 149, 257-271		38
204	Key parameters governing the densification of cubic-Li7La3Zr2O12 Li+ conductors. <b>2017</b> , 352, 156-164		69
203	Antimicrobial activity of flame-synthesized nano-TiO2 coatings. <b>2017</b> , 4, 1095-1107		23
202	SiO multi-line laser-induced fluorescence for quantitative temperature imaging in flame-synthesis of nanoparticles. <b>2017</b> , 123, 1		10
201	Real-time measurement of size-resolved elemental composition ratio for flame synthesized composite nanoparticle aggregates using a tandem SMPS-ICP-OES. <b>2017</b> , 51, 311-316		4
200	Combustion synthesis of zero-, one-, two- and three-dimensional nanostructures: Current trends and future perspectives. <i>Progress in Energy and Combustion Science</i> , <b>2017</b> , 63, 79-118	33.6	113
199	Antimicrobial Activity of TiO2 Coatings Prepared by Direct Thermophoretic Deposition of Flame-Synthesized Nanoparticles. <b>2017</b> , 2, 1493-1498		4
198	Formation of incipient soot particles from polycyclic aromatic hydrocarbons: A ReaxFF molecular dynamics study. <b>2017</b> , 121, 380-388		107
197	One-Step Synthesis of CuO-CuO Heterojunction by Flame Spray Pyrolysis for Cathodic Photoelectrochemical Sensing of l-Cysteine. <b>2017</b> , 9, 40452-40460		107

## (2018-2017)

196	Laser-based investigation of the transition from droplets to nanoparticles in flame-assisted spray synthesis of functional nanoparticles. <b>2017</b> , 36, 1109-1117		11
195	Emerging applications of nanocatalysts synthesized by flame aerosol processes. <b>2018</b> , 20, 39-49		13
194	Aerosol processing: a wind of innovation in the field of advanced heterogeneous catalysts. <b>2018</b> , 47, 4112-4155		85
193	Rapid measurement of sub-micrometer aerosol size distribution using a fast integrated mobility spectrometer. <b>2018</b> , 121, 12-20		10
192	Characterization of a new Hencken burner with a transition from a reducing-to-oxidizing environment for fundamental coal studies. <b>2018</b> , 89, 025109		10
191	The initial stages of multicomponent particle formation during the gas phase combustion synthesis of mixed SiO2/TiO2. <b>2018</b> , 52, 277-286		7
190	Dicationic ionic liquid mediated fabrication of Au@Pt nanoparticles supported on reduced graphene oxide with highly catalytic activity for oxygen reduction and hydrogen evolution. <b>2018</b> , 441, 438-447		24
189	Four-Wave-Mixing Approach to In Situ Detection of Nanoparticles. 2018, 9,		11
188	Co3O4 and FexCo3NO4 Nanoparticles/Films Synthesized in a Vapor-Fed Flame Aerosol Reactor for Oxygen Evolution. <b>2018</b> , 1, 655-665		17
187	Electrohydrodynamic instability of premixed flames under manipulations of dc electric fields. <b>2018</b> , 97, 013103		11
186	Decomposition Pathways of Titanium Isopropoxide Ti(OPr): New Insights from UV-Photodissociation Experiments and Quantum Chemical Calculations. <b>2018</b> , 122, 1064-1070		8
185	Sub-2 nm particle measurement in high-temperature aerosol reactors: a review. <b>2018</b> , 21, 60-66		10
184	Nanofertilizer for Precision and Sustainable Agriculture: Current State and Future Perspectives. <b>2018</b> , 66, 6487-6503		236
183	Clean combustion: Chemistry and diagnostics for a systems approach in transportation and energy conversion. <i>Progress in Energy and Combustion Science</i> , <b>2018</b> , 65, 1-5	33.6	43
182	From nanoparticles to mesoporous materials. <b>2018</b> , 129-144		
181	Overview of Electric Field Applications in Energy and Process Engineering. 2018, 11, 1361		12
180	Catalytic activity of flame-synthesized Pd/TiO2 for the methane oxidation following hydrogen pretreatments. <b>2018</b> , 41, 58-64		5
179	TIO2 nanoparticle coatings with advanced antibacterial and hydrophilic properties prepared by flame aerosol synthesis and thermophoretic deposition. <b>2018</b> , 349, 830-837		19

178	Single-step synthesis of N-doped TiO2 by flame aerosol method and the effect of synthesis parameters. <b>2018</b> , 52, 913-922	12
177	Flame spray pyrolysis synthesized CuO-TiO2 nanoparticles for catalytic combustion of lean CO. <b>2019</b> , 37, 5499-5506	20
176	High-temperature gas-phase kinetics of the thermal decomposition of tetramethoxysilane. <b>2019</b> , 37, 1133-1141	9
175	Gas-phase synthesis of functional nanomaterials: Challenges to kinetics, diagnostics, and process development. <b>2019</b> , 37, 83-108	61
174	Single-shot two-dimensional measurement of nanoparticles in turbulent jet-diffusion flames using phase-selective laser-induced breakdown spectroscopy. <b>2019</b> , 37, 1373-1381	2
173	Comparative study of flame-based SiO2 nanoparticle synthesis from TMS and HMDSO: SiO-LIF concentration measurement and detailed simulation. <b>2019</b> , 37, 1221-1229	14
172	Flame synthesis of nanophosphors using sub-micron aerosols. <b>2019</b> , 37, 1231-1239	13
171	Investigating the role of solvent formulations in temperature-controlled liquid-fed aerosol flame synthesis of YAG-based nanoparticles. <b>2019</b> , 37, 1193-1201	15
170	In-situ laser diagnostic of nanoparticle formation and transport behavior in flame aerosol deposition. <b>2019</b> , 37, 935-942	5
169	Single droplet combustion of precursor/solvent solutions for nanoparticle production: Optical diagnostics on single isolated burning droplets with micro-explosions. <b>2019</b> , 37, 1203-1211	21
168	Combustion research for chemical processing. <b>2019</b> , 37, 1-32	16
167	Detailed simulation of iron oxide nanoparticle forming flames: Buoyancy and probe effects. <b>2019</b> , 37, 1241-1248	10
166	Research advances towards large-scale solar hydrogen production from water. <b>2019</b> , 1, 100014	82
165	Experimental investigations on the effects of water vapor and oxygen concentrations in the ambience on the burning constant, lifetime and residuals of single isolated xylene, isobutanol and ethanol droplets. <b>2019</b> , 109, 109920	8
164	SpraySyn-A standardized burner configuration for nanoparticle synthesis in spray flames. <b>2019</b> , 90, 085108	44
163	Absolute SiO concentration imaging in low-pressure nanoparticle-synthesis flames via laser-induced fluorescence. <b>2019</b> , 125, 1	7
162	Soot formation and evolution characteristics in premixed methane/ethylene-oxygen-argon burner-stabilized stagnation flames. <b>2019</b> , 242, 871-882	6
161	Polymorphism of nanocrystalline TiO prepared in a stagnation flame: formation of the TiO-II phase. <b>2019</b> , 10, 1342-1350	27

160	Soot formation in laminar counterflow flames. <i>Progress in Energy and Combustion Science</i> , <b>2019</b> , 74, 152-338	156
159	Flame Synthesis of Nanostructured Transition Metal Oxides: Trends, Developments, and Recent Advances. <b>2019</b> , 201-263	O
158	Nanoparticle growth, coalescence, and phase change in the gas-phase by molecular dynamics. <b>2019</b> , 23, 155-163	13
157	Role of radicals in carbon clustering and soot inception: A combined EPR and Raman spectroscopic study. <b>2019</b> , 205, 286-294	24
156	Detailed characterisation of TiO2 nano-aggregate morphology using TEM image analysis. <b>2019</b> , 133, 96-112	10
155	Fly-through synthesis of nanoparticles on textile and paper substrates. <b>2019</b> , 11, 6174-6181	11
154	Effects of temperature-time history on the flame synthesis of nanoparticles in a swirl-stabilized tubular burner with two feeding modes. <b>2019</b> , 133, 72-82	16
153	Inverse Nanocomposites Based on Indium Tin Oxide for Display Applications: Improved Electrical Conductivity via Polymer Addition. <b>2019</b> , 2, 2273-2282	8
152	Probing the local radiative quenching during the transition from a non-smoking to a smoking laminar coflow ethylene/air non-premixed flame. <b>2019</b> , 203, 120-129	7
151	Synthesis of ultra-fine iron powder by combining the flame aerosol synthesis and postreduction. <b>2019</b> , 34, 3964-3974	2
150	Flame temperature effect on sp2 bonds on nascent carbon nanoparticles formed in premixed flames (T > 2100 K): A Raman spectroscopy and particle mobility sizing study. <b>2019</b> , 37, 943-951	17
149	Precursor concentration dependent hydrothermal NiO nanopetals: Tuning morphology for efficient applications. <b>2019</b> , 125, 138-143	17
148	Numerical modeling of the performance of high flow DMAs to classify sub-2 nm particles. <b>2019</b> , 53, 106-118	6
147	Collisional growth rate and correction factor for TiO2 nanoparticles at high temperatures in free molecular regime. <b>2019</b> , 127, 27-37	15
146	Dicalcium silicate (2CaOľ5iO2) synthesized through flame spray pyrolysis and solution combustion synthesis methods. <b>2019</b> , 45, 9589-9595	9
145	Flame spray pyrolysis for the one-step fabrication of transition metal oxide films: Recent progress in electrochemical and photoelectrochemical water splitting. <b>2020</b> , 31, 601-604	16
144	Rare-Earth-Doped Y4Al2O9 Nanoparticles for Stable Light-Converting Phosphors. <b>2020</b> , 3, 699-710	14
143	Nanoparticle evolution in flame spray pyrolysis <b>P</b> rocess design via experimental and computational analysis. <b>2020</b> , 66, e16885	21

142	Combustion synthesis of SiO2 nanoparticles using flat premixed flame. <b>2020</b> , 45, 24116-24124	2
141	An improved study of the uniformity of laminar premixed flames using laser absorption spectroscopy and CFD simulation. <b>2020</b> , 112, 110013	20
140	On Pyrometry in Particulate-Generating Flames. <b>2020</b> , 1-15	6
139	Selectivity boost in partial hydrogenation of acetylene via atomic dispersion of platinum over ceria. <b>2020</b> , 10, 7471-7475	2
138	Synthesis of single-walled carbon nanotubes in rich hydrogen/air flames. 2020, 254, 123479	5
137	Combustion Synthesis of C and SiC Nanoparticles from Na2CO3Bi Mixtures: Characterization and Electrochemical Performance. <b>2020</b> , 29, 65-76	1
136	Advanced aerosol technologies towards structure and morphologically controlled next-generation catalytic materials. <b>2020</b> , 149, 105608	14
135	Amorphous-to-Crystalline Transition during Sintering of Nascent TiO2 Nanoparticles in Gas-Phase Synthesis: A Molecular Dynamics Study. <b>2020</b> , 124, 27763-27771	6
134	Flame spray pyrolysis optimization via statistics and machine learning. 2020, 196, 108972	7
133	Dual-Wavelength Excited Intense Red Upconversion Luminescence from Er-Sensitized YO Nanocrystals Fabricated by Spray Flame Synthesis. <b>2020</b> , 10,	4
132	The role of electro-sprayed silica-coated zinc oxide nanoparticles to hollow silica nanoparticles for optical devices material and their characterization. <b>2020</b> , 604, 125327	1
131	Investigation of flame spray synthesized La1-xSrxCoO3 perovskites with promotional catalytic performances on CO oxidation. <b>2020</b> , 93, 2381-2387	2
130	Formation of nanocrystalline manganese oxide in flames: oxide phase governed by classical nucleation and size-dependent equilibria. <b>2020</b> , 22, 5509-5521	5
129	Out-of-Equilibrium Polymorph Selection in Nanoparticle Freezing. <b>2020</b> , 11, 8060-8066	3
128	One-Step Synthesis of Nanostructured CuMn/TiO2 via Flame Spray Pyrolysis: Application to Catalytic Combustion of CO and CH4. <b>2020</b> , 34, 14447-14457	4
127	Droplet sizing in spray flame synthesis using wide-angle light scattering (WALS). <b>2020</b> , 126, 1	7
126	Ex-situ flame co-doping of tin and tungsten ions in TiO2 nanorod arrays for synergistic promotion of solar water splitting. <b>2020</b> , 226, 115843	38
125	Study of industrial titania synthesis using a hybrid particle-number and detailed particle model. <b>2020</b> , 219, 115615	6

## (2021-2020)

124	Characterization of particle charging in low-temperature, atmospheric-pressure, flow-through plasmas. <b>2020</b> , 53, 245204	13
123	Ultra-fast construction of plaque-like Li2TiO3/TiO2 heterostructure for efficient gas-solid phase CO2 photoreduction. <b>2020</b> , 269, 118810	31
122	The gas-phase formation of tin dioxide nanoparticles in single droplet combustion and flame spray pyrolysis. <b>2020</b> , 215, 389-400	17
121	Effect of Spray Parameters in a Spray Flame Reactor During FexOy Nanoparticles Synthesis. <b>2020</b> , 29, 368-383	1
120	Risk and life cycle assessment of nanoparticles for medical applications prepared using safe- and benign-by-design gas-phase syntheses. <b>2020</b> , 22, 814-827	7
119	Ultrafine Particle Formation in Pulverized Coal, Biomass, and Waste Combustion: Understanding the Relationship with Flame Synthesis Process. <b>2020</b> , 34, 1386-1395	10
118	Simultaneous Single-Shot Two-Dimensional Imaging of Nanoparticles and Radicals in Turbulent Reactive Flows. <b>2020</b> , 13,	3
117	Silica nanocluster binding rate coefficients from molecular dynamics trajectory calculations. <b>2020</b> , 146, 105558	9
116	In-Situ Measurement of Soot Volume Fraction and Temperature in Axisymmetric Soot-Laden Flames Using TR-GSVD Algorithm. <b>2021</b> , 70, 1-12	1
115	Understanding vapor nucleation on the molecular level: A review. <b>2021</b> , 153, 105676	8
114	The role of resonance-stabilized radical chain reactions in polycyclic aromatic hydrocarbon growth: Theoretical calculation and kinetic modeling. <b>2021</b> , 38, 1459-1466	7
113	Dual liquid/vapor-fed flame synthesis for the effective preparation of SiO2@YAlO3:Nd3+ nanophosphors. <b>2021</b> , 38, 1299-1307	3
112	Examination of the evolution of iron oxide nanoparticles in flame spray pyrolysis by tailored in situ particle sampling techniques. <b>2021</b> , 154, 105722	5
111	Flame synthesis of carbon metal-oxide nanocomposites in a counterflow burner. <b>2021</b> , 38, 1269-1277	4
110	Influence of metallic precursors in the mineralogy and reactivity of belite cement clinkers obtained by flame spray pyrolysis. <b>2021</b> , 26, 101917	O
109	Kinetics for the hydrolysis of Ti(OC3H7)4: A molecular dynamics simulation study. <b>2021</b> , 38, 1433-1440	2
108	Mini Review on Gas-Phase Synthesis for Energy Nanomaterials. <b>2021</b> , 35, 63-85	6
107	Trends and technologies behind controlled-release fertilizers. <b>2021</b> , 155-168	1

106	Flame spray pyrolysis made Pt/TiO2 photocatalysts with ultralow platinum loading and high hydrogen production activity. <b>2021</b> , 38, 6503-6511	8
105	Flame-made Y2O3:Yb3+/Er3+ upconversion nanoparticles: Mass production synthesis, multicolor tuning and thermal sensing studies. <b>2021</b> , 854, 157078	13
104	Light emission of flame-generated TiO2 nanoparticles: Effect of IR laser irradiation. <b>2021</b> , 258, 107353	5
103	Denary oxide nanoparticles as highly stable catalysts for methane combustion. <b>2021</b> , 4, 62-70	45
102	Thermodynamic Barrier to Nucleation for Manganese Oxide Nanoparticles Synthesized by High-Temperature Gas-to-Particle Conversion. <b>2021</b> , 35, 1874-1884	3
101	Direct spray combustion in a tubular flame burner toward fine particle synthesis. <b>2021</b> , 16, JTST0035-JTST00	)35
100	Characterization of flame synthesized PdIIiO2 nanocomposite catalysts for oxygen removal from CO2-rich streams in oxy combustion exhausts. <b>2021</b> , 11, 4763-4775	1
99	Reference data set for three-dimensional measurements of double droplet combustion of p-xylene. <b>2021</b> , 38, 3151-3158	2
98	Multi-line SiO fluorescence imaging in the flame synthesis of silica nanoparticles from SiCl4. <b>2021</b> , 224, 260-272	3
97	Measurement of sub-3 nm flame-generated particles using butanol CPCs in boosted conditions. 1-13	1
96	Yttrium Oxide (Y2O3) Nanoparticle Crystallization in Gas-Phase Synthesis: A Molecular Dynamics Study. <b>2021</b> , 35, 5281-5290	0
95	Synthesis of Metal Oxide Nanoparticles in Flame Sprays: Review on Process Technology, Modeling, and Diagnostics. <b>2021</b> , 35, 5495-5537	18
94	Flame stability analysis of flame spray pyrolysis by artificial intelligence. <b>2021</b> , 114, 2215-2228	3
93	Influence of angled dispersion gas on coaxial atomization, spray and flame formation in the context of spray-flame synthesis of nanoparticles. <b>2021</b> , 62, 1	3
92	On thermal regime of nanoparticles in synthesis flame. <b>2021</b> , 769, 138424	4
91	Preparation of Nanostructured Particle Film by Flame Method and Their Sensor Properties. <b>2021</b> , 28, 161-165	
90	Effect of External Charging on Nanoparticle Formation in a Flame. 2021, 14,	1
89	Nano-TiO Coating Layers with Improved Anticorrosive Properties by Aerosol Flame Synthesis and Thermophoretic Deposition on Aluminium Surfaces. <b>2021</b> , 14,	O

88	Variable Temperature Synthesis of Tunable Flame-Generated Carbon Nanoparticles. 2021, 7, 44	1
87	Spray Flame Synthesis (SFS) of Lithium Lanthanum Zirconate (LLZO) Solid Electrolyte. <b>2021</b> , 14,	3
86	Phase-sensitive detection of gas-borne Si nanoparticles via line-of-sight UV/VIS attenuation. <b>2021</b> , 29, 21795-21809	3
85	Atmospheric-pressure particle mass spectrometer for investigating particle growth in spray flames. <b>2021</b> , 158, 105827	2
84	Plasma jet stream simulation for formation coating and powder manufacturing processes. <b>2021</b> , 1954, 012033	
83	Effect of the particle temperature on lift force of nanoparticle in a shear rarefied flow*. <b>2021</b> , 30, 075101	
82	Fabrication of Nanosize ZnO and Zn1NFexO Powder for Infrared Absorption by Flame Aerosol Synthesis. <b>2021</b> , 11, 904	1
81	Particle formation during suspension combustion of different biomass powders and their fast pyrolysis bio-oils and biochars. <b>2021</b> , 218, 106868	7
80	Direct rate-constant measurements and theoretical insight into the mechanism of the reactions H + hexamethyldisiloxane and H + tetramethyldisiloxane*. e1963871	О
79	Low-pressure flame synthesis of carbon-stabilized TiO2-II (srilankite) nanoparticles. <b>2021</b> , 156, 105775	3
78	On the radical behavior of large polycyclic aromatic hydrocarbons in soot formation and oxidation. <b>2021</b> , 235, 111692	3
77	Controlled synthesis of alumina in a spray flame aerosol reactor.	1
76	Exploring Nanomechanical Properties of Soot Particle Layers by Atomic Force Microscopy Nanoindentation. <b>2021</b> , 11, 8448	О
75	Synthesis of yttrium aluminum garnet (Y3Al5O12, YAG) powder with nano and submicro size and high infrared transmittance using flame aerosol synthesis method. <b>2021</b> , 8, 095008	
74	Particle Characterization Technology. <b>2021</b> , 637-672	
73	A state-of-the-art review of lab-scale inverse diffusion burners & flames: From laminar to turbulent. <b>2021</b> , 222, 106940	3
72	On the reactive coagulation of incipient soot nanoparticles. <b>2022</b> , 159, 105866	2
71	Synthesis of Novel Catalysts for Carbon Dioxide Conversion to Products of Value. <b>2021</b> , 527-556	O

70	Theoretical Single-Droplet Model for Particle Formation in Flame Spray Pyrolysis. <b>2021</b> , 35, 1750-1759	3
69	Combustion in the future: The importance of chemistry. <b>2020</b> ,	31
68	Nanoparticle Formation and Behavior in Turbulent Spray Flames Investigated by DNS. <b>2020</b> , 105, 497-516	8
67	Insights into the Mechanism of Combustion Synthesis of Iron Oxide Nanoparticles Gained by Laser Diagnostics, Mass Spectrometry, and Numerical Simulations: A Mini-Review. <b>2021</b> , 35, 137-160	6
66	Alloy, Janus and core-shell nanoparticles: numerical modeling of their nucleation and growth in physical synthesis. <b>2019</b> , 21, 22774-22781	8
65	In-situ laser diagnostic of nanoparticle formation and transport by phase-selective laser-induced breakdown spectroscopy. <b>2020</b> ,	
64	Application of Multiphase Flows in Combustion. 2020, 1-32	
63	In Situ Determination of Droplet and Nanoparticle Size Distributions in Spray Flame Synthesis by Wide-Angle Light Scattering (WALS). <b>2021</b> , 14,	1
62	Comparative investigation on tetramethylsilane and neopentane combustion: Jet-stirred reactor pyrolysis and kinetic modeling. <b>2022</b> , 237, 111900	1
61	Flame assisted synthesis of nanostructures for device applications. <b>2022</b> , 7,	
60	Flame assisted synthesis of nanostructures for device applications. <b>2022</b> , 7,  Estudio general del mEodo de sEltesis de pirElsis de aerosol en llama. <b>2021</b> , 26,	
60	Estudio general del mEodo de sEitesis de pirEisis de aerosol en llama. <b>2021</b> , 26,	0
60 59	Estudio general del mEodo de sEitesis de pirEisis de aerosol en llama. 2021, 26,  Effect of DC Electric Field on Turbulent Flame Structure and Turbulent Burning Velocity. 1-21  Theoretical Investigation on H-Abstraction Reactions of Silanes with H and CH Attacking: A	
60 59 58	Estudio general del mEodo de sEitesis de pirEisis de aerosol en llama. 2021, 26,  Effect of DC Electric Field on Turbulent Flame Structure and Turbulent Burning Velocity. 1-21  Theoretical Investigation on H-Abstraction Reactions of Silanes with H and CH Attacking: A Comparative Study with Alkane Counterparts 2022, 7, 5558-5569  Flame-made chemoresistive gas sensors and devices. <i>Progress in Energy and Combustion Science</i> ,	
<ul><li>60</li><li>59</li><li>58</li><li>57</li></ul>	Estudio general del m\(\textit{D}\)do de s\(\textit{E}\)ltesis de pir\(\textit{I}\)sis de aerosol en llama. <b>2021</b> , 26,  Effect of DC Electric Field on Turbulent Flame Structure and Turbulent Burning Velocity. 1-21  Theoretical Investigation on H-Abstraction Reactions of Silanes with H and CH Attacking: A Comparative Study with Alkane Counterparts <b>2022</b> , 7, 5558-5569  Flame-made chemoresistive gas sensors and devices. <i>Progress in Energy and Combustion Science</i> , <b>2022</b> , 90, 100992  Simulations of TiO2 nanoparticles synthesised off-centreline in jet-wall stagnation flames. <b>2022</b> ,	.6 1
<ul><li>60</li><li>59</li><li>58</li><li>57</li><li>56</li></ul>	Estudio general del milodo de siltesis de pirilisis de aerosol en llama. 2021, 26,  Effect of DC Electric Field on Turbulent Flame Structure and Turbulent Burning Velocity. 1-21  Theoretical Investigation on H-Abstraction Reactions of Silanes with H and CH Attacking: A Comparative Study with Alkane Counterparts 2022, 7, 5558-5569  Flame-made chemoresistive gas sensors and devices. Progress in Energy and Combustion Science, 2022, 90, 100992  Simulations of TiO2 nanoparticles synthesised off-centreline in jet-wall stagnation flames. 2022, 162, 105928	.6 1

52	Drag and lift forces acting on linear and irregular agglomerates formed by spherical particles. <b>2022</b> , 34, 023307	4
51	Study on liquid-like SiGe cluster growth during co-condensation from supersaturated vapor mixtures by molecular dynamics simulation <b>2022</b> ,	O
50	Laser-induced incandescence for non-soot nanoparticles: recent trends and current challenges <b>2022</b> , 128, 72	2
49	Flame Synthesis of Functional Carbon Nanoparticles. 1	3
48	Chemical kinetics of hexamethyldisiloxane pyrolysis: A ReaxFF molecular dynamics simulation study.	
47	Accelerated synthesis of Li(Ni0.8Co0.1Mn0.1)O2 cathode materials using flame-assisted spray pyrolysis and additives. <b>2022</b> , 528, 231244	1
46	From Stochastic Self-Assembly of Nanoparticles to Nanostructured (Photo)Electrocatalysts for Renewable Power-to-X Applications via Scalable Flame Synthesis. <b>2022</b> , 32, 2110020	4
45	Highly Sensitive Detection of No2 Using La-Doped Wo3 Nanoparticles Synthesized by Flame Spray Pyrolysis.	
44	Unraveling combustion chemistry of tetramethoxysilane in flow reactor pyrolysis and laminar flame propagation. <b>2022</b> , 242, 112169	
43	Chemo-resistive NO2 sensor using La-doped WO3 nanoparticles synthesized by flame spray pyrolysis. <b>2022</b> , 132247	O
42	SERS Hotspot Engineering by Aerosol Self-Assembly of Plasmonic Ag Nanoaggregates with Tunable Interparticle Distance. 2201133	5
41	Spatially-Resolved experimental investigations of combustion characteristics in a solid fuel doped methane swirl flame and the influence on the formation of ultrafine particulate matter. <b>2022</b> , 244, 112223	O
40	Design of Aerosol Nanoparticles for Interfacial Catalysis.	O
39	Ultrafast flame coating of carbon and chemical vapor deposition of graphene on NiTi alloy to enhance its corrosion resistance. <b>2022</b> , 128, 109231	1
38	A case study on laminar flame propagation of flame synthesis precursors using spherically propagating flame: Tetramethylsilane and its alkane counterpart. <b>2022</b> ,	O
37	Flame Synthesis of W-Doped Titanium-Dioxide Nanoparticles using Novel Precursor Combination of Liquid TTIP and Solid Tungsten Mesh.	
36	Atomic insights into mechanisms of carbon coating on titania nanoparticle during flame synthesis. <b>2023</b> , 201, 189-199	O
35	The role of 2-ethylhexanoic acid in manipulating the morphology and upconversion of flame-made Y2O3:Yb3+/Ho3+ nanoparticles towards remote temperature sensing.	O

34	Enhanced CO2 response of La1-xFeO3-sperovskites with A-site deficiency synthesized by flame spray pyrolysis. <b>2022</b> ,	О
33	Fundamental insight into critical phenomena in condensation growth of nanoparticles in a flame. <b>2022</b> , 12,	O
32	Nanofertilizers: A Smart and Sustainable Attribute to Modern Agriculture. <b>2022</b> , 11, 2587	3
31	Characterization of spray parameters and flame stability in two modified nozzle configurations of the SpraySyn burner. <b>2022</b> ,	1
30	Rapid Gas-Phase Synthesis of the Perovskite-Type BaCe0.7Zr0.1Y0.1Yb0.1O3IProton-Conducting Nanocrystalline Electrolyte for Intermediate-Temperature Solid Oxide Fuel Cells. <b>2022</b> , 14, 47568-47577	O
29	Laser diagnostics to characterize the in-flame growth of platinum nanoparticles manufactured by the reactive spray deposition technology. <b>2022</b> , 246, 112412	O
28	Effects of particle collection in a premixed stagnation flame synthesis of sub-stoichiometric TiO2-x nanoparticles. <b>2023</b> , 265, 118155	1
27	Effects of the preheating temperature on flame-assisted spray pyrolysis of nickel-rich cathode materials. <b>2022</b> ,	O
26	FSP synthesized core-shell CuOx@SiO2 catalyst with excellent thermal stability for catalytic combustion of ammonia. <b>2023</b> , 334, 126824	O
25	Jet flapping and its effect on flame oscillations in the SPP1980 SpraySyn burner. <b>2023</b> , 142, 110826	O
24	2.1.1 Particle Generation by Flame Aerosol Process. <b>2022</b> , 59, 521-525	O
23	Effect of Ce dopant on upconversion and temperature sensing performances in homogeneous ultrasmall Y2O3:Yb3+/Ho3+ nanoparticles through flame aerosol synthesis. <b>2022</b> ,	O
22	High specific surface area niobium-doped tin oxide nanoparticles produced in spray flames as catalyst supports in polymer electrolyte fuel cells. <b>2023</b> , 25,	O
21	Flame Spray Pyrolysis Synthesis of WO3 Sensing Materials: Effects of Flame Parameters on Particle Size Distribution and NO2 Sensing Performance. <b>2022</b> , 38, 15506-15515	O
20	Spatially resolved measurement of the distribution of solid and liquid Si nanoparticles in plasma synthesis through line-of-sight extinction spectroscopy.	O
19	Combustion diagnostics of metal particles: a review.	O
18	A Review of the Single-Step Flame Synthesis of Defective and Heterostructured TiO2 Nanoparticles for Photocatalytic Applications. <b>2023</b> , 13, 196	1
17	Incorporation of film theory in single droplet combustion model for prediction of precursor release in flame spray pyrolysis. 2023,	O

## CITATION REPORT

16	Clustering and collision of Brownian particles in homogeneous and isotropic turbulence. 2023, 169, 106134	О
15	Investigation of Soot in a Model CFM56 Atmospheric Combustor Using In-situ LII Calibration. 2023, 1-30	O
14	Nonconventional applications of nebulizers: Nanomaterials synthesis. 2023, 217-245	O
13	Structural Evolution and Durability of Ultrafine NiFe Phosphide Nanoparticle/Carbon Composite Films in Water Oxidation at High Current Densities.	O
12	Molecular dynamics study on evaporation of metal nitrate-containing nanodroplets in flame spray pyrolysis. <b>2023</b> , 15, 5877-5890	0
11	Chemistry diagnostics for monitoring. <b>2023</b> , 417-501	O
10	The role of phase transition by inception and surface reactions for the synthesis of silicon nanoparticles in a hot-wall reactor lambda in a hot-wall reactor lam	О
9	Decoupling effects of C3H3/C4H5/i-C4H5/CN radicals on the formation and growth of aromatics: A ReaxFF molecular dynamics study. <b>2023</b> , 171, 106185	O
8	A neural network parametrized coagulation rate model for <3 nm titanium dioxide nanoclusters. <b>2023</b> , 158, 084301	O
7	A Study on an Unpressurized Medium-Temperature-Differential Stirling Engine Integrated with a New Spiral-Patterned Flat-Flame Burner and a New Spiral-Finned Hot-End Plate. <b>2023</b> , 2023, 1-20	O
6	High temperature synthesis of TiO2 nanoparticles as a photochemical catalyst for hydrogen generation using premixed flame burner.	O
5	Using combustion synthesis to convert emissions into useful solid materials. <b>2023</b> , 599-630	O
4	Biofuel production, hydrogen production and water remediation by photocatalysis, biocatalysis and electrocatalysis.	О
3	Phase-Selective Laser-Induced Breakdown Spectroscopy of Metal-Oxide Nanoaerosols. <b>2023</b> , 755-765	O
2	Modelling the electrophoretically-enhanced in-flame deposition of carbon nanoparticles. <b>2023</b> , 172, 106193	О
1	An efficient method for spatiotemporally resolved aerosol flow modeling: Discrete migration and GPU acceleration.	O