

KEYWORDS

In any article, 3-5 keywords should be given in alphabetical order, at least 3 from the following list.

α , β , γ , δ transitions
absorption
activation energy
addition polymerization
adhesion
adhesives
adsorption
ageing
agglomeration
alternating polymers
amorphous polymers
amphiphilicity
anionic polymerization
anisotropy
antioxidants
athermal
atom transfer radical polymerization
attenuation coefficient
azo polymers
barrier properties
binodal
binodal decomposition
biocompatibility
biodegradability
bioengineering
biopolymers
block copolymers
blockiness
boiling point
bond fluctuation model
boundary polymerization
branchiness
break
brittleness
bubbles
calandration
catalysts
catalytic membranes
cationic polymerization
cellulose
centrifugation
charge transport
chemical gels
chemical potential
chirality
chitin
chitosan
chlorination
cholesterics
classification
clays
cloud point
cocatalysts
coextrusion
cohesion
collapse
colloids
comb-like polymers
compatibility
compatibilization
compliance
composites
compression
concentrated solutions
conductivity
configuration
conformation
conformation-dependent synthesis
continuum model
conversion
cooperative effects
copolycondensation
copolymerization
corona
correlation analysis
correlation function
crack
crazing
creep
critical point
crosslinking
crosslinks
crystallites
crystallization

damping
Debye radius
deformation
degradation
degree of polymerization
delay time spectrum
dendrimers
destruction
destruction
diblock copolymers
Diels-Alder reaction
diffusion
diluted solutions
dimerization
diode
director
dispersion
dispersion polymerization
DNA
domain structure
drug delivery
dyes
dynamic light scattering
dynamic scaling

elastic limit
elastic modulus
elasticity
elastomers
elastoplasticity
electrolysis
electrochemistry
ellipsometry
emulsion polymerization
entanglements
entropy
enzymes
epoxy etherification
excluded volume
extension
extrusion

fatigue
ferrites
fillers
filtering
fire-resistance
flexible polymers
fluctuation theory

fluctuations
fluorescence
foaming
fractal dimension
fractal structures
fractions
free energy
free volume
frozen disorder
fullerenes

Gaussian chain
gel-penetrating chromatography
gelation
gels
glass transition
glass transition temperature
globules
grafting
guest–host

halogenation
hardening
hardness
healing of coatings
heat capacity
heat conductivity
heat transfer
heterogeneous catalysis
hydrogels
hydrogen bond
hydrogenation
hydrolysis
hydrophilicity
hydrophobicity
hydrostatic compression
hydrostatic tension
hyperbranched

impact strength
implants
incompatibility
inertia tensor
information theory methods
initiators
injection
inorganic polymers
interaction potential
interchain exchange

interdiffusion
interpenetrating networks
interphase boundaries
interpolymer complexes
intramolecular mobility
ion exchange
ion-coordination polymerization
ionic liquids
ionic strength
ionization
ionomers
IR-spectra
irradiation
isomerization
isomers

jelly

Kerr effect
key-lock
kinetic transitions
kinetics
Kuhn segment

lamellae
Langmuir-Blodgett films
large-angle scattering
large-scale production polymers
laser emission
laser-induced polymerization
lasers
lattice model
linear theory
liquid crystal polymers
lithography
living polymerization
living polymers
loss modulus
lower critical mixing temperature
luminescence

macrocycles
macroinitiators
macromolecular reactions
macromonomers
macrophase separation
mass spectra
mean-field theory
mechanical properties

mechanical stress
medical polymers
melting
melting point
membranes
mesophases
metal-polymer complexes
metallo-organic catalysis
metallocene catalysts
metastable state
metathesis
micelles
microcapsulation
microdeformation
microgels
microheterogeneity
microphase separation
microstructure
minerals
mixing
modification
molecular dynamics
molecular mass distribution
molecular recognition
monolayers
monomers
Monte Carlo method
morphology
multiblock copolymers

nanocomposites
nanolayers
nanoparticles
nanotechnologies
neck
nematics
NMR spectra
non-woven materials
nonlinear optics
nonlinearity
nucleation
nuclei
nylon

oil resistance
oligomers
orientation

patterns

permeability
persistence length
persistent chain
pervaporation
phase diagram
phase transitions
phonons
phospholipids
photochemistry
photonic crystals
photophysics
photopolymerization
photoresistor
physical gels
pigments
plasma
plastic flow
plasticity
plastics
polarization
polaron
polyacetylene
polyamides
polyamines
polyaniline
polybutadiene
polycaprolactone
polycarbonates
polycondensation
polycrystals
polyelectrolytes
polyesters
poly(ether ketones)
polyethers
poly(ether sulphones)
polyethylene
polyimides
polyimines
polylactams
polymer additives
polymer adhesives
polymer blends
polymer coatings
polymer complexes
polymer films
polymer matrices
polymer melts
polymer processing
polymer stars

polymer-analogous reactions
polymorphism
polyolefines
polypeptides
poly(phenylene oxide)
polyphosphazenes
polyphthalocyanines
polypropylene
polypyrroles
polysaccharides
polysilanes
polysiloxanes
polystyrene
polysulphides
polytetrafluoroethylene
polyurethanes
poly(vinyl chloride)
poly(vinyl ether)
porosity
porphyrins
protein-like polymers
proteins
pyrolysis

quantum chemistry
quantum effects
quantum-sized objects

radiation
radical polymerization
radius of gyration
random phase approximation
rate constant
reaction mechanism
reaction yield
reactive blending
reactive compatibilization
reactive extrusion
reactivity
redox
reflection coefficient
refractive index
reinforced
relaxation
relaxation time
relaxation time spectrum
renormalization group
replica technique
reptation model

rigid chain polymers
rigidity
ring-opening polymerization
RNA
rolling
rotational diffusion
Rouse model
rubbers

scaling
screening
selectivity
self-assembly
self-consistent field
self-diffusion
self-organization
semi-diluted solutions
sensors
shear
shift bands
silicates
size distribution
small-angle scattering
smectics
solid-state polymerization
soliton
solubility
spherulites
spinodal
spinodal decomposition
stabilization
starch
static light scattering
stationarity
statistical mechanics
statistical thermodynamics
stereoregularity
stereospecific polymerization
strengthening
strong segregation
structural transitions
structure factor
structure formation
structure-property relations
structures
structures growth
substrate
supercritical
superposition principle

superstrong segregation
supramolecular structures
surface tension
surfactants
swelling
system of broken links

telechelics
thermal properties
thermoplastics
thermosets
thermostability
torsion
toughness
transesterification
transition metal chemistry
transmission coefficient
transparency
transport properties
triblock copolymers

ultracentrifugation
unit distribution
upper critical mixing temperature

virial coefficients
viscoelastic properties
viscosity
vulcanization

waste
weak segregation

X-ray structure analysis

yield point

zeolites
Ziegler-Natta catalysts
Zimm model