

1. Record Nr.	UNINA9910810134703321
Titolo	Aqueous microwave assisted chemistry : synthesis and catalysis // edited by Vivek Polshettiwar, Rajender S. Varma
Pubbl/distr/stampa	Cambridge, : Royal Society of Chemistry, c2010
ISBN	1-84973-099-7
Edizione	[1st ed.]
Descrizione fisica	1 online resource (243 p.)
Collana	RSC green chemistry, , 1757-7039 ; ; no. 7
Altri autori (Persone)	PolshettiwarVivek VarmaRajender S
Disciplina	541.39
Soggetti	Microwave heating Solution (Chemistry)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Aqueous Microwave Chemistry_Publicity; i_iv; v_vi; vii_xi; xii_xiv; 001_009; 010_054; 055_090; 091_122; 123_144; 145_175; 176_216; 217_228
Sommario/riassunto	The demands for green and sustainable synthetic methods in the fields of healthcare and fine chemicals, combined with the pressure to produce these substances expeditiously and in an environmentally benign fashion, pose significant challenges to the synthetic chemical community. Green chemistry can avoid pollution by utilizing techniques that are environmentally friendly by design and one of the best green techniques is the use of microwave (MW) assisted aqueous synthetic protocols. Fusing MW technique with water (as a benign reaction medium) can offer an extraordinary synergistic effect with