486 半導體元件物理與製程——理論與實務

隨選視訊 (Video on Demand) 399,403

靜態隨機存取記憶體 (Staic Random Access Memory; SRAM) 352, 356, 386

十七劃

應力 (stress) 191, 195-196, 225-227, 247, 265, 269, 286

應變砂 223-224, 259, 265-270, 272, 286

應變鬆弛 (strain relaxation) 271

濕氧化 (wet oxidation) 185, 215

濕蝕刻(wet etch) 192-193, 215, 282

環形振盪器 (ring oscillator) 326-327

環狀結構 (guard rings) 347

瞬間回火 (spike annealing) 242

磷矽玻璃(phosphosilicate glass,簡稱 PSG) 103, 207, 213

臨界電壓 (threshold voltage) 85-86, 88-89, 91, 94, 97, 104, 109-112, 117, 124-128, 137-140, 143-145, 147-148, 152-153, 158-159, 166-170, 172-173, 179, 185, 188, 221, 230, 233, 236-238, 243-244, 255, 262, 277-283, 285, 293-294, 300, 331, 340-341, 353, 362, 367, 373-374, 376, 389, 415-419, 423, 426, 431, 462, 466-467

臨界電壓下滑 (threshold voltage roll-off) 158, 166-168, 179, 423

臨界電壓穩定度(Vt stability) 281, 285

薄膜沉積 (thin film deposition) 184, 194

螺旋狀電感 (spiral inductor) 339

黏合層 (adhesion layer) 208, 212

黏著性 (adhesion) 196

十八劃

擴散 (diffusion) 14, -20, 24-25, 30-32, 42, 49, 51-52, 59-60, 68, 70, 103-104, 108, 132, 140, 167, 184-187, 194, 196, 201, 205, 208, 212, 232, 238, 242, 245, 251-253, 258, 270-271, 277-278, 282, 292, 321, 334, 371, 425

擴散長度 (diffusion length) 49

擴散係數 (diffusion coefficient) 18, 24-25, 140, 232, 270-271

擴散電流 (diffusion current) 18-19, 24-25, 31-32, 51-52, 59-60

擴散電容 (diffusion capacitance) 42

濺鍍 (sputtering) 104, 195, 205, 208, 247, 253

藍芽 (Blue Tooth) 395-396, 399, 409

轉移特性 (transfer characteristics) 132, 136-139, 144, 152

轉移電導 (transconductance) 137-139,416