**Supplementary Table 6** Published spectral indices\*.

|  |  |  |  |
| --- | --- | --- | --- |
| Index | Reference | Index | Reference |
|  | ([Barnes et al., 1992](#_ENREF_2)) |  | ([Kochubey and Kazantsev, 2007](#_ENREF_25)) |
|  | ([Aoki et al., 1981](#_ENREF_1)) |  | ([Elvidge and Chen, 1995](#_ENREF_12)) |
|  | ([Gamon and Surfus, 1999](#_ENREF_14);[Richardson et al., 2002](#_ENREF_33)) |  | ([Buschmann and Nagel, 1993](#_ENREF_7)) |
|  | ([Jordan, 1969](#_ENREF_24)) |  | ([Gitelson et al., 1996b](#_ENREF_20)) |
|  | ([Xue and Yang, 2009](#_ENREF_41)) |  | ([Chappelle et al., 1992](#_ENREF_9)) |
|  | ([McMurtrey et al., 1994](#_ENREF_29)) |  | ([Smith et al., 1995](#_ENREF_37)) |
|  | ([Wu et al., 2008](#_ENREF_40)) |  | ([Zou et al., 2011](#_ENREF_45)) |
|  | ([Thomas and Gausman, 1977](#_ENREF_38);[Jacquemoud and Baret, 1990](#_ENREF_23)) |  | ([Birth and McVey, 1968](#_ENREF_3)) |
|  | ([Rouse et al., 1974](#_ENREF_34)) |  | ([Gitelson and Merzlyak, 1997](#_ENREF_19)) |
|  | ([Maccioni et al., 2001](#_ENREF_28)) |  | ([Lichtenthaler et al., 1996](#_ENREF_27)) |
|  | ([Merzlyak et al., 1999](#_ENREF_30)) |  | ([Yoder and Pettigrew, 1995](#_ENREF_42)) |
|  | ([Blackburn, 1998a](#_ENREF_4);[b](#_ENREF_5)) |  | ([Carter, 1994](#_ENREF_8)) |
|  | ([Horler et al., 1983](#_ENREF_21)) |  | ([Filella and Penuelas, 1994](#_ENREF_13)) |
|  | ([Vogelmann et al., 1993](#_ENREF_39)) |  | ([Peñuelas et al., 1994](#_ENREF_31)) |
|  | ([Sims and Gamon, 2002](#_ENREF_36)) |  | ([Blackburn and Pitman, 1999](#_ENREF_6)) |
|  | ([Datt, 1998](#_ENREF_10)) |  | ([Datt, 1999](#_ENREF_11)) |
|  | ([Schlemmer et al., 2005](#_ENREF_35)) |  | ([Zarco et al., 2001](#_ENREF_44)) |
|  | ([Penuelas et al., 1995](#_ENREF_32)) |  | ([Gitelson et al., 1999](#_ENREF_15)) |
|  | ([Gitelson and Merzlyak, 1996](#_ENREF_18)) |  | ([Gitelson et al., 1996a](#_ENREF_16)) |
|  | ([Gitelson and Merzlyak, 1994](#_ENREF_17)) |  | ([Zarco et al., 2002](#_ENREF_43)) |
|  | ([Le Maire et al., 2004](#_ENREF_26)) |  |  |

\* D is d(R).

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